BENGALURU SOLID WASTE MANAGEMENT LIMITED

REQUEST FOR PROPOSAL

Name of Work- Developmental works at SWM Sites Package-1 (Binny Mill and Bellahalli)(Call-2)

BENGALURU SOLID WASTE MANAGEMENT LIMITED

Office of the Deputy General Manager-02, BSWML, 1st Floor, BBMP Building, Thimmaiah Road, Vasanth Nagar, Bengaluru–560 052. Phone No: 9844587466

TENDERS FOR THE WORK OF

Sl No	Name of Work	Value of Work (in Lakhs)
1	Developmental works at SWM Sites Package-1 (Binny Mill and Bellahalli)(Call-2)	576.63

TENDER REFERENCE	No. DGM-2/BSWML/Tend/13/25-26 Date:17.07.2025
PRE-BID MEETING WILL BE HELD ON	24.07.2025 at 3.00 PM
LAST DATE AND TIME FOR RECEIPT OF TENDERS	02.08.2025 on or before 4.00 PM
TIME AND DATE OF OPENING OF COVER ONE OF TENDERS	04.08.2025 at 4.30 PM
PLACE OF PRE-BID MEETING WILL BE HELD	Office of the Chief Engineer & Chief General Manager (Tech), BSWML, 1st Floor, BBMP Building, Thimmaiah Road, Bengaluru-560052.
TIME AND DATE OF OPENING OF COVER TWO OF TENDERS	Will be intimated to the Qualified Tenderers
PLACE OF OPENING OF COVER TWOOF TENDERS AND ADDRESS FOR COMMUNICATION:	Office of the Chief Engineer & Chief General Manager (Tech), BSWML, 1st Floor, BBMP Building, Thimmaiah Road, Bengaluru-560052.

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BENGALURU SOLID WASTE MANAGEMENT LIMITED

Office of the Deputy General Manager-02, BSWML, 1st Floor, BBMP Building,
Thimmaiah Road, Vasanth Nagar, Bengaluru – 560 052

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No: DGM-2/BSWML/Tend/13/25-26 Date: 17.07.2025

INVITATION FOR SHORT TERM TENDER (IFT)
(Through GOK KPPP only)

1. The Deputy General Manager-2, Bengaluru Solid Waste Management Limited on behalf of the Managing Director, BSWML, Bengaluru from eligible bidders for the works detailed in the table below. The Bidders may submit tenders for works given in the table through KPPP portal of the Government of Karnataka (viz. https://kppp.karnataka.gov.in) The Bidders are advised to note the minimum qualification criteria specified in Clause 3 of the instructions to bidders to qualify for award of the contract.
2. Tender documents may be downloaded from the KPP portal of the Government of Karnataka.
3. Other details can be seen in the tender documents.

Sl No.	Name of the work	Amount put to tender (Rs. in lakhs) Excluding GST	EMD (Amount in Rs)	Cost of Tender Document	Contract completion period (including Monsoon)
1	Developmental works at SWM Sites Package-1 (Binny Mill and Bellahalli) (Call-2)	576.63	Rs.1,00,000/- through e-payment under of the following i.e., online / RTGS / NEFT / OTC and the balance Rs.7,64,945/- by Bank Guarantee/FDR issued by Nationalized/Scheduled Bank	As per KPPP portal	6 Months

Note:

1. Pre bid meeting will be held on 24.07.2025 at 15:00 hours in office of the Chief Engineer & Chief General Manager (tech), BSWML, BBMP Building, Thimmaiah Road, Vasanth Nagar, Bengaluru - 52.
2. Technical Documents along with necessary information/documents must be uploaded to the KPPP portal https://kppp.karnataka.gov.in as per tender document on or before 16:00 hours on 02-08-2025 and First Folder containing the technical bid will be opened through e-portal only on 04-08.2025 after 16:30 hours at the stipulated venue, in the presence of the Tenderers or their authorized representatives who wish to attend. If the office happens to be closed on the date of opening of the tenders as specified, the tenders will be opened on the next working day at the same time and venue.
3. The Employer shall not be liable for any delays due to system failure beyond its control. Even though the system will attempt to notify the Tenderers of any tender updates, the Employer shall not be liable for any information not received by the Tenderers. It is the Tenderers responsibility to verify the KPPP portal for the latest information related to the tender, E-mail address of the Helpdesk is hphelpdesk.blr@intarvo.com. KPPP portal help desk telephone numbers are: 080-22371090/22373788. The tenderer is required to ensure browser capability of the computer well in advance to the last date and time for receipt of the tenders. The employer shall not be responsible for non-accessibility of KPPP portal due to internet connectivity issues and technical glitches.
4. Any corrigendum/addendum will be published in the KPPP portal only.

Sd/-
Deputy General Manager-2 BSWML

Copy Submitted to the:

1. Hon'ble Chairman, BSWML & ACS, UDD for kind information.
2. Hon'ble Managing Director, BSWML/Chief Commissioner, BBMP for kind information.
3. Chief Executive Officer, BSWML /Special Commissioner, SWM, BBMP for kind information.
4. Chief Operational Officer BSWML, for kind information.
5. Chief Financial officer BSWML /CAO, BBMP for kind information.
6. CE (SWM)/Chief Engineer & Chief General Manager (Tech) BSWML, BBMP for kind information
7. Company Secretary, BSWML for kind necessary action.
8. Office Copy

SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

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A. General

1. Scope of Tender

The Deputy General Manager-2, BSWML, on behalf of the Managing Director, BSWML (Referred to as Employer in these documents) invites ITEM RATE tenders following Two Cover tender procedure, from eligible Tenderers, for the works of **"Developmental works at SWM Sites Package-1 (Binny Mill and Bellahalli)** (Call-2)**."** (as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT). The Tenderers may submit tenders for any or all of the works detailed in the table given in IFT.

2. Eligible Tenderers

2.1Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka or any other Government Departments of State or Central. The information regarding anti blacklisting affidavit to be submitted on stamp paper of value of Rs. 100. The format of the affidavit is Appended at Annexure -1.

2.2A Bidder may be a single entity or a private entity including a company incorporated under Companies Act, 1956/2013 or registered partnership firm, registered sole proprietor, Startups, any society registered or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Consortium. A Consortium shall be eligible for consideration subject to the conditions set out in Clause 2.3 below

2.3 Tenders from Consortiums up to 3 members are acceptable.

a. Bids from Consortium members allowed. However, number of Constituents of Consortium is limited to three members. Lead member, one of the partners, who is responsible for performing a key function in contract management or is executing a major component of the proposed contract, shall be nominated as being in charge during the pre-qualification and tendering periods and, in the event of a successful tender, during contract execution. The partner in charge shall be authorized to incur liabilities and receive instructions for and on behalf of all partners of the consortium; this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the partners.

b. In case the Bidder is a Consortium, the members thereof should furnish a POWER OF ATTORNEY FOR LEAD MEMBER OF CONSORTIUM in favor of any member, which member shall thereafter be identified as the Lead Member and Power of Attorney for signing of Bid in the format at Appendix – 3 and Appendix – 4 signed by the members of the Consortium.

c. None of the members in a Consortium should be under any sort of ineligibility under the Bid Documents;

d.The Bid should contain the information required for each member of the Consortium; and should include a brief description of the roles and responsibilities of individual members, particularly with reference to financial, technical obligations;

e. In case of Consortium, the combined turnover of all member of the

Consortium shall be 100% as specified at clause 3.2 a.

f. In case of Consortium, for similar nature of work the criteria can be complied by any one Member of the Consortium as specified at Clause 3.2 b, 3.2 c & 3.3 a.

g. The consortium shall submit a Consortium Agreement /MOU on a Rs.500.00 (Rupees Five Hundred Only) Stamp Paper duly filled, signed, sealed and notarized as per the Standard Format. All members of Consortium are jointly and severally responsible for due performance of the contract. in the format for joint bidding document as per **Annexure-4**

h. In case of successful Tenderer- the form of agreement etc. shall be signed and/or executed in such a manner as may be required, for making it legally binding on all members.

i. The lead member shall be authorized to incur liabilities, receive payments, and to receive instructions for and on behalf of the all other members of the consortium, whether jointly or severally, and the entire execution of the contract shall be carried out exclusively through the member-in-charge.

j. A Company/Firm can either participate as an individually company or can be a part of the Consortium only. If any company / Firm is found to have participated in the same package in more than one bid (either individually or as a consortium), all the bids of such companies will be summarily rejected.

k. In the event of default by any member in the execution of his part of the contract,

3. Qualification of the Tenderer:

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information.

3.2 To qualify for award of this contract, each Tenderer in its name should have in the last five financial years.

Clause	Qualification	Documents to be uploaded
	The bidder / consortium should individually/collectively have supplied Achieved minimum financial turnover of Rs.1153.00 lakhs in any two financial years in the last five financial years (i.e.2019-20 to 2023-24) (10% weightage would be given per annum to bring the amount to the present financial year). In case of Consortium the combined turnover should meet the criteria.	Turnover certificate has to be duly certified by the Chartered Accountant
3 . 2 (b)	The bidder / consortium should have satisfactorily completed as a prime contractor, at least one similar nature of work in Civil and SWM Command center works for Rs.288.00 lakhs (50% of the cost of the work) in any one year during the last five financial years (i.e.2020 -21 to 2024-25)	In this regard, the bidder shall upload work done certificate duly certified by officer not below the rank of Executive Engineer and/or Deputy General Manager as the case may be
	The bidder / consortium should have executed minimum quantities of work (80% of the peak annual rate of construction) in any one year during the last financial years (i.e.2020 -21 to 2024-25)	In this regard, the bidder shall upload work done certificate duly certified by officer not below the rank of Executive Engineer and/or Deputy General Manager as the case may be.

SLNo	Item	Unit	Qty
1	Excavation	Cum	5285.74
2	Wet mix macadam	Cum	259.31

		3	Cement Concrete	Cum	10	17.84
		4	Steel Reinforcement	Tons	3	1.14
3 . 2	(d)	Liquid assets and or availability of credit facilities of not less than **Rs. 173.00 Lakhs**				(Credit lines/ letters of credit/ certificates from banks for meeting the fund requirement etc). (Usually not less than 30% the estimated cash flow).

3.3. Each Tenderer should further demonstrate:

(a) Availability by owning at least 50% of the required / specified key and critical equipment for this work and the remaining 50% can be deployed on lease / hire basis for all works provided the relevant documents (commitment agreements etc.) for availability for this work are furnished.

Sl No	Descriptions	Nos	Own/Lease
1	Tippers	1	Own/ lease
2	Excavators like JCB/Hitachi	1	Own/ lease
3	Water tanker	2	1Own, 1 lease

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.5 Sub-contractors" experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria.

3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Where **Assessed available tender capacity = (A*N*1.5 - B)**

A = Maximum Value of Civil Engineering Works executed in any One Year during the last Five years **(updated to2024-25 Price Level)** taking into account the Completed as well as Works in Progress.

N = Number of years prescribed for Completion of the Works for which Tenders are Invited i.e. 06 Months.

B = Value, at **2024-2025 Price Level on 10% Weightage per annum**, of Existing Commitments and on GoingWorks to be completed during the next 06 months including Monsoon Season.

Note: The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.

3.2 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of thequalification requirements; and/or

- record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- Participated in the previous Tender for the same work and had quoted unreasonably high tender prices andcould not furnish rational justification.

4. One Tender per Tenderer

deleted.

5. Cost of Tendering:

The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

6. Site visit:

The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderer's own expense.

B. Tender documents

7. Content of Tender documents

The set of tender documents shall have all the Sections given in Page **2** Both the sets should be completed and returned with the tender.

8. Clarification of Tender Documents

A prospective tenderer requiring any clarification of the tender documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to tender. The Employer will respond to any request for clarification which he receives earlier than 15 days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all purchasers of the tender documents, including a description of the enquiry but without identifying its source.

9. Pre-tender meeting:

The tenderer or his authorized representative is invited to attend a pre-tender meeting which will take place at Office of the Chief Engineer & Chief General Manager (Tech), BSWML, 1st Floor, BBMP Building, Thimmaiah Road, Bengaluru-560052 on 01.07.2025 at 3.00 PM.

The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

The tenderer is requested to submit any questions in writing or by cable to reach the Employer not later than 30.06.2025 at 4.00PM.

Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the tender documents. Any modification of thetender documents listed in Sub-

Clause 7.1 which may become necessary as a result of the pre-tender meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the minutes of the pre-tender meeting.

Non-attendance at the pre-tender meeting will not be a cause for disqualification of a tenderer.

10. Amendment of Tender documents

Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addendum.
Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cableto all the purchasers of the tender documents.
To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders,the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 16.2 below

C. Preparation of Tenders

11. Documents comprising the Tender

The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows:

First Cover:
(a) Earnest Money Deposit;
(b) Qualification Information as per formats given in Section 3;

Second Cover:
(a) The Tender (in the format indicated in Section 4)
(b) Priced Bill of Quantities (Section 9);

and any other materials required to be completed and submitted by Tenderers in accordance with these instructions.The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.
Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in thetender together with any discounts offered for the award of more than one contract.

12. Tender prices

The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.
The Tenderer shall fill in rates and prices and line-item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). **Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities**. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total Tender Price submitted by the Tenderer.

The rates and prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract in accordance with the provisions of Clause of the Conditions of Contract

13. Tender validity

Tenders shall remain valid for a period not less than **One Hundred and Eighty days**

(180) after the deadline date for tender submission specified in Clause 16. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 13 in all respects.

14. Earnest money deposit

The Tenderer shall furnish, as part of his tender, Earnest Money Deposit (EMD) in the amount as mentioned in IFT for this particular Work. Further, out of the total EMD Amount only Rs. 1.00 Lakh (Rupees One Lakh only) shall bepaid in the KPP Portal using any of the following modes and the Balance Amount shall be in the form of Bank Guarantee from any Bank.

- Credit Card.
- Direct Debit.
- National Electronic Fund Transfer (NEFT).
- Over the Counter (OTC).

NEFT Payment Procedure:

If a Tenderer chooses to make Payment of EMD / Tender Processing FEE using Reserve Bank of India's (RBI) National Electronic Fund Transfer (NEFT) System, the Tenderer will need to log into KPPP System, access the Tender for which Bid is being created and then select the NEFT Option under the Payment Section and print the Challan shown in that Section. The Printed Challan will have the Unique Bid Reference Number, Account Details of Government of Karnataka and the Amount to be remitted. The Tenderer shall submit the Printed Challan to its Bank Branch (NEFT enabled) and request foran Account – to – Account Transfer, wherein the money will get transferred from the Tenderer’s Bank Account to GOK‟s Bank Account. The Tenderer shall ensure that NEFT Transfer Instructions are executed and the Funds are wired to the Government of Karnataka's Principal Account before the Last Date for Bid Submission and preferably 24 hours before the Last Date for Bid Submission. If the Tenderer’s Bank transfers / wires the money after the Last Date for Bid Submission, the Tenderer’s Bid will be liable for rejection. Upon executing the Transfer, the Tenderer's Bank will provide a Reference Number generated by NEFT Software as Confirmation of Transfer, which has to be input by the Tenderer in the Payment Section of its Bid as Payment Confirmation before the Bid is submitted i.e. as a pre requisite for Bid Submission. The

Account Number from which the Funds were transferred shall be input in the KPPP System as part of its Bid also.

OTC Payment Procedure:

If a Tenderer chooses to make Payment of EMD / Tender Processing FEEs Over The Counter (OTC) in any of the designated Axis Bank Branches listed in the KPPP Website (www.kppp.karnataka.gov.in), the Tenderer will need to log intoKPPP System, access the Tender for which Bid is being created and then select the OTC Option under the PaymentSection and print the Challan shown in that Section. The Printed Challan will

have the Unique Bid Reference Number andthe Amount to be remitted along with the Challan. The Tenderer can choose to make the Payment either in the form of Cash or in the form of Demand Draft. Cheque Payments will not be accepted. The Tenderer is requested to specifically inform the Bank Officer to input the Unique Bid Reference Number printed in the Challan in the Banking Software. Upon successful Receipt of the Payment, the Bank will provide a 16 Digit Reference Number acknowledging the Receipt of Payment. This 16 Digit Reference Number has to be input by the Tenderer in the Payment Section of its Bid as Payment Confirmation before the Bid is submitted i.e. as a pre requisite for Bid Submission.

The Tenderer shall furnish, as part of his tender, earnest money deposit (EMD) at the following rates

a) Up to Rs.20 Lakhs - 2.5%
b) Rs.20 Lakhs and above upto Rs. 1 crore – 2% subject to a minimum of Rs. 50,000/-
c) Rs.1 crore and above upto Rs.10 crores – 1% subject to a minimum of Rs. 2,00,000/-
d) Rs.10 crores and above – 1% subject to a minimum of Rs.15,00,000/-.

e) Fixed Deposit Receipt (FDR) subject to the following condition
   - Maturity date of FDRs issued by the Bank should be beyond the date expected date of finalization of thetender.

Earnest money deposit will have to be in any one of the forms as specified in the Tender document and as per circular PWD:15:ITC:2008/2009 Dated:02-12-2010 (Minimum of Rs.1,00,000/- through e-payment under of thefollowing i.e., online / RTGS / NEFT / OTC and the balance by bank guarantee/FDR issued by Nationalized/ Scheduled Bank and shall have to be valid for 90 days beyond the validity of the tender.

As per Circular: PWD:15:ITC:2008/2009 Dated:02-12-2010 the Tenderer shall submit the ORIGINAL BG/FDR for Part EMD on or before the Opening of Technical Bid, if failed to submit, the bidwill be rejected and the initial amount deposited through KPPP will be forfeited and further their names will be proposed for Black Listing if resorted repeatedly.

Instruments having fixed validity issued as earnest money deposit for the tender shall be valid for 90 days **beyond** the validity of the tender.

Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 13.1 and 13.2 above shall be rejected by the Employer as non-responsive.

The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tendervalidity period

specified in Sub-Clause 12.1.
The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed theAgreement and furnished the required Performance Security.

The earnest money deposit may be forfeited:

(a) if the Tenderer withdraws the Tender after tender opening during the period of tender validity;

(b) if the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 24; or

(c) in the case of a successful Tenderer, if the Tenderer fails within the specified time limit to(i) sign the Agreement; or
(ii) Furnish the required Security deposit

15. Format and signing of Tender

Tenderer shall submit the Bid electronically before the submission date and time published in kpp portal.

D. Submission of Tenders

16. Deadline for submission of the Tenders

Tenders must be received by the Employer at the address specified above no later than 4.00PM hours on 14.07.2025 In the event of the specified date for the submission of tenders being declared a holiday for the Employer, the tenders will be received up to the appointed time on the next working day.
The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

17. Late Tenders

Any Tender received by the Employer after the deadline prescribed in Clause 16 will be returned unopened to the Tenderer.

18. Modification and Withdrawal of Tenders

Tenderers may modify contents of First or Second Covers separately for each Cover or withdraw their Tenders by giving notice in writing before the deadline prescribed in Clause 16.
Each Tenderer's modification separately for each Cover or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with Clause 14 & 15, with the outer and inner envelopes additionally marked "**MODIFICATION FOR FIRST/SECOND COVER**" or "**WITHDRAWAL**", as appropriate.
No Tender may be modified after the deadline for submission of Tenders.
Withdrawal or modification of a Tender between the deadline for submission of Tenders and the expiration of the original period of Tender validity specified in Clause 12.1 above or as extended pursuant to Clause 12.2 may result in the forfeiture of the earnest money deposit pursuant to Clause 13.

18.1 Tenderers may only offer discounts to, or otherwise modify the prices of their Tenders by submitting Tender modifications in accordance with this clause, or included in the original Tender submission.

E. Tender opening and evaluation

19. Opening of First Cover of all Tenders and evaluation to determine qualified Tenderers:

The Employer will open the First Covers of all the Tenders received (except those received late or withdrawn), includingmodifications for First Cover made pursuant to Clause 18, in the presence of the Tenderers or their representatives who choose to attend at 15.07.2025 at
4.30 PM on the date and the place specified in Clause 16. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at

the appointed time and location on the next working day.

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The Tenderers names, the presence or absence of earnest money deposit (amount, format and validity), the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the Employer at the opening.

The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present inaccordance with Sub-Clause 19.3.

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The Employer will evaluate and determine whether each tender

(a) meets the eligibility criteria defined in ITT Clause 2;

(b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and

(c) Meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list ofqualified Tenderers.[2]

20. Opening of Second Cover of qualified Tenderers and evaluation:

The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the SecondCover containing the priced Tenders. The Employer will open the Second Covers of Qualified Tenderers at the appointed time and date (as indicated in the KPP portal) in the presence of the Tenders or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.

Deleted

Deleted

The Employer shall prepare minutes of the Second Cover Tender opening.

21. Process to be confidential

Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned withsuch process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

22 Clarification of Tenders

To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by

cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 24.

Subject to sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

Any effort by the Tenderer to influence the Employer in the Employer's Tender

evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers" Tender.

23. Examination of Tenders and determination of responsiveness

Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender;

(a) has been properly signed; and;

(b) is substantially responsive to the requirements of the Tender documents.

A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of theTender documents, without material deviation or reservation.

A material deviation or reservation is one

(a) which affects in any substantial way the scope, quality, or performance of the Works;

(b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or theTenderer's obligations under the Contract; or

(c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantiallyresponsive Tenders.

If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be maderesponsive by correction or withdrawal of the nonconforming deviation or reservation.

24. Correction of errors

The Tenderer may modify the tender only before the last date for submission of the tender, as indicated on the KPP portal.

25. Evaluation and comparison of Tenders

The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 23.

Deleted (Since Bids submitted online only)

The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations,deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

The estimated effect of the price adjustment conditions under Clause 41 of the Conditions of Contract, during the implementation of the Contract, will not be taken into account in tender Evaluation

If the tender of the successful tenderer is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the

amount of the performance security set forth in Clause 29 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful under the contract.

F. Award of Contract

26. Award criteria

Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to besubstantially responsive to the Tender documents and who has

offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be

(a) eligible in accordance with the provisions of Clause 2, and

(b) qualified in accordance with the provisions of Clause 3.

27. Employer's right to accept any Tender and to reject any or all Tenders

Not with standing Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for theEmployer's action.

28. Notification of award and signing of Agreement

The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex, e-mail or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will paythe Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 29.

The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

29. Security deposit

Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 5% of the Contract price plus additional security for unbalanced tenders in accordance with Clause 25.5 of ITT and Clause 44 of the Conditions of Contract for all works.*:*

- Cash or
- Banker’s cheque/Demand draft/Pay Order in favour of Managing Director, BSWML payable at Bangalore or
- A bank guarantee in the form given in Section 10; or
- Specified Small Savings Instruments pledged to

Managing Director, BSWML payable at Bangalore

If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank. The security deposit if furnished in cash or demand draft can, if requested, be converted to interest bearing securities at the cost of the successful Tenderer/ contractor Failure of the successful Tenderer to comply with the requirements of Sub-Clause 29.1 shall

constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit

30 Advance Payment and Security:

The Employer will provide an advance payment on the contract price as stipulated in the Conditions of Contract, subject to the maximum amount as stated in the Contract Data.

31. Corrupt or Fraudulent practices

The BSWML requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, BSWML :

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a BSWML contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a BSWML contract.

Furthermore, Tenderers shall be aware of the provision stated in sub-clause 50.2 of the Conditions of Contract.

SECTION 3: QUALIFICATION INFORMATION

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity asprovided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

Constitution or legal status of Tenderer [Attach copy]

Place of

Registration _____ (Attach Copy)

Principal place

of business:

Total value of civil engineering construction works executed and payments received in the last five years (in Rs. Lakhs) Attach Certificate from Chartered Accountant 2019 - 20 .....
2020 - 21 .....
2021 - 22.....
2022 - 23.....
2023 - 24.....

Work performed as Prime Contractor (in the same name) on works of similar nature over during the five yearsspecified in 1.2 above.

Project Name	Name of Employer	Description of Work	Contract Number	Value of Contract Rs. Lakhs	Date of issue of work order	Specified period of completion	Actual date of Actual date of	Remarks explaining reasons for delay in completion ofwork
1	2	3	4	5	6	7	8	9

Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above:

Year	Name of Work	Name of Employer	Quantity of work performed (cum)[3]			Remarks (Indicate contract reference)
			Cement Concrete	Masonry	Earthworks	
2019-20						
2020-21						

2021-22						
2022-23						
2023-24						

Information on works for which Tenders have been submitted and works which are yet to be completed as on thedate of this Tender.

(A) Existing commitments and on-going works:

Description of Work	Place& State	Contract No. & Date	Name And Address of Employer	Value of Contract (Rs. lakhs)	Stipulated period of completion	Value of works remaining to becompleted (Rs. lakhs) Attach Certificates from Engineers – in-Charge	Anticipat eddate of completio n
1	2	3	4	5	6	7	8

(B) Works for which Tenders already submitted:

Description of Work	Place& State	Name and Address of Employer	Estimated valueof works (Rs. lakhs)	Stipulated period of completion	Date when decision is expected	Remark s if any
1	2	3	4	5	6	7

1.6. The following items of equipment are considered essential for successfully carrying out the works. The Tenderershould furnish all the information listed below.

Item of Equipment	**Requirement**		
As mentioned above			

Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years; Qualification and experience of the key technical and management personnel in permanent employment with thetenderer and those that are proposed to be deployed on this contract, if awarded.

Position	Qualification	Year of Experience (General)	Nos required
Project Co - Ordinator	B.E Civil Engineering	Civil Engineering – Construction projects	1
Quantity Surveyor	B.E in Civil Engg	Civil Engg – Construction	1

& QA QC		projects	
Site Engineer	Diploma in Civil Engg	Diploma in Civil Engineering – Construction projects	1

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer. Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

ON BANKS LETTER HEAD

……

FORMAT OF BANKER'S CERTIFICATE/ LINE OF CREDIT LETTER (TO BE ISSUED IN THE LETTER HEAD OF THE BANK BRANCH)

Reference Number (Sl. No.) Place:
Date :

To:
(Name of Address of the Beneficiary)

This is to certified that, Mr./ Mrs.....(Name of the Customer) having his/ their registered/ Administrative office at ……Is a customer of our bank and is/ are engaged in …… (Name of activity). If the said customer is allotted/ awarded with (Brief details of works), we may extend the credit facilities up to Rs. ……Lakhs to meet his/ their working capital requirement towards the execution of the said work order as per the loan policy of the Bank.
This certificate is valid up to 3 months from the date of issue, i.e.

up to dd/mm/yyyy. Yours faithfully,

Branch Manager.

Proposals for subcontracting components of works amounting to more than 20% of the contract price .

Item of Work	Value of Sub-Contract	Identified Sub-Contractor(Name and address)	Experience of similar work (Attach certificates from the respective Employers.)
1	2	3	4

Information on litigations in which the Tenderer is involved:

Other Party (ies)	Employer	Details of dispute	Amount involved	Remarks showing present status

The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion asper milestones.

SECTION 4:

FORMS OF TENDER, LETTER OF ACEPTANCE, NOTICE TO PROCEED WITH THE WORK, MOU, POWER OF ATTORNEY FOR SIGNING OF BID AND AGREEMENT FORM

Annexure – 1 : Form of Tender

"Developmental works at SWM Sites Package-1(Binny Mill and Bellahalli) (Call-2)."

To

,

Deputy General Manager-
02, Office of the BSWML,
1st Floor, BBMP Building,
Thimmaiah Road, Vasanth
Nagar, Bangalore-52.

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of ..... *[in figures]( ) [in letters].*[4]

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

The advance payment required is Rs.....

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tenderdocuments.

We attach herewith our current income-

tax clearance certificate.Yours faithfully,

Authorized Signature:
Name & Title of Signatory: _____

Name of Tenderer _____
Address: .....

[4] To be filled in by the Tenderer, together with his particulars and date of submission at the bottom of the Form of Tender

Annexure – 2 : Letter of Acceptance

(letterhead paper of the Employer).....[date]

To:

.....

.....[name and address of the Contractor]

Dear Sirs,

This is to notify you that your Tender dated for execution of the **"**Developmental works at SWM Sites Package-1 (Binny Mill and Bellahalli).**"** for the Contract Price of Rupees .....

..... (.....) [amount in words and figures], ascorrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit plus additional security for unbalanced tenders in terms of Clause 25.5of ITT, in the form detailed in Clause 29.1 of ITT for an amount of Rs within 20 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of Defects Liability Period i.e. up to and sign the contract, failing which action as stated in Para 29.4 of ITT will be taken.

Yours faithfully,

Authorized Signature Name and Title of Signatory

Name of Agency

Annexure – 3:

Memorandum of Agreement (MOA) in case of Consortium

(to be executed on appropriate value of Non-Judicial Stamp Paper of Rs 500 as per the Stamp Act Prevailing in the State of Karnataka) DULY ATTESTED BY NOTARY PUBLIC)

This Memorandum of Understanding (MoU) entered-into this day of 2025_ at

_____

Among

_____(*hereinafter referred as"--------") and having office at India* **Party of the First Part**

And

_____*(hereinafter referred as"--------") and having office at India* **Party of the Second Part And**

_____*(hereinafter referred as"--------") and having office at India* **Party of the Third Part**

The parties are individually referred to as Party and collectively as Parties.

WHEREAS the *Authority has invited Proposals from interested Firms / Consortiums for Appointment of Private operator for* Developmental works at SWM Sites Package-1 (Binny Mill and Bellahalli (Call-2)*through a Concession agreement*

AND WHEREAS *the Parties have had discussions for formation of a Consortium for bidding for the said Service and have reached an understanding on the following points with respect to the Parties" rights and obligations towards each other and their working relationship.*

IT IS HEREBY AS MUTUAL UNDERSTANDING OF THE PARTIES AGREED AND DECLARED AS FOLLOWS:

1. That M/s _____ who is the Lead Members of the Consortium commits to hold a minimum equity stake equal to [as per the provisions of the Bid document] of the aggregate shareholding of the Consortium at all times during the Concession Period. /or That the Parties will form a Special Purpose Vehicle (SPV) with the shareholding commitments expressly stated. The Said SPV shall not undertake any other business during the Concession Period.

2. That any dilution in the equity holding by the Parties in the consortium shall be as per the provisions of the Concession Agreement. /or That the equity shareholding of the Parties in the issued and paid up capital of the SPV shall not be less than as specified under the Bid documents.

3. That the shareholding commitments shall be recorded in the Concession

Agreement and no changes shall be allowed thereof, except in accordance with the provisions of the Concession Agreement and the Request for Proposal.

4. That the Parties shall carry out all responsibilities as Private Service Provider in terms of the Concession Agreement.

4. *That the roles and the responsibilities of each Party at each stage of the Bidding shall be as follows:*

Name of Consortium member	Role (Lead Member or Member)	Responsibilities

5. *That the minimum equity holding of each Party (in percentage term) shall be as follows:*

Name of Consortium member	Role (Lead Member or Member)	Equity Holding

6. *That the Parties affirm that they shall implement the Service in good faith and shall take all necessary steps to see the Service through expeditiously. They shall not negotiate with any other party for this Service.*

7. *That the parties shall be jointly and severally liable for execution of the Service.*

8. *That this MoU shall be governed in accordance with the laws of India and courts in [Service State], India shall have exclusive jurisdiction to adjudicate disputes arising from the terms herein.*

In witness whereof the Parties affirm that the information provided is accurate and true and have caused this MoU to be duly executed on the date and year above mentioned.

Name, Designation and Signature of

Authorised signatory of Party of the first part:

Authorised signatory of Party of the second part:

Authorised signatory of Party of the third part:

Witness 1

Witness 1

Annexure – 4: Power of Attorney for signing of Bid

(On a Stamp Paper of value of
Rs.100) (Refer Clause 2.2.10)

Know all men by these presents, We.....(name of the firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorise Mr/ Ms (name), ... son/daughter/wife of ..... and presently residing at ....., who is presently employed with us and holding the position of , as our true and lawful attorney (hereinafter referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Bid in respect of the Package of the Assignment provided in Letter of Bid for the Developmental works at SWM Sites Package-1 (Binny Mill and Bellahalli) (Call-2) of Bengaluru Solid Waste Management Company Limited, (hereinafter referred to as BSWML) including but not limited to signing and submission of all Bids, bids and other documents and writings, participate in the Bidding Process and other conferences and providing information/ responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts including the Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the Authority in all matters in connection with or relating to or arising out of our bid for the said Assignment and/ or upon award thereof to us and/or till the entering into of the Agreement with the Authority.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE, ..., THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS ..... DAY OF , 2.....

For .....

Witnesses: 1.

(Signature, name, designation)

	Contractor	26	Deputy General Manager-02, BSWML

Annexure – 5: Issue of Notice to proceed with the work

(Letterhead of the Employer)

To

.....(date)

.....

.....

.....(name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 29.1 and signing of the contract agreement for the construction of **"**Developmental works at SWM Sites Package-1(Binny Mill and Bellahalli) (Call-2).**"** A Tender Price of Rs , you are hereby instructed to proceed with the execution of the said

works

in accordance with the contract documents.

Yours faithfully,

(Signature, name and

title of signatory

Authorized to sign on behalf of Employer)

Annexure – 6:

Agreement Form

Agreement

This agreement, made the .....day of.....20 , between.....
...
.....[name and address of Employer](hereinafter called "the Employer") of the one part and
.....[name

andaddress of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute
.....
.....
.....[name and identification number of Contract] (hereinafter called "the Works") and
the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees'.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractorhereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
   - i) Letter of Acceptance;
   - ii) Notice to proceed with the works;
   - iii) Contractor‟s Tender;
   - iv) Contract Data;
   - v) Conditions of contract (including Special Conditions of Contract);
   - vi) Specifications;
   - vii) Drawings;
   - viii) Bill of Quantities; and
   - ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first

before written.The Common Seal

of.....

.....
was hereunto affixed in the presence of:
Signed, Sealed and Delivered by the said
.....
.....
in the presence of:
Binding Signature of EmployerBinding Signature of Contractor

Annexure – 7
Anti-Blacklisting/Debarment Affidavit

Format for Affidavit

(On a Stamp Paper of value of Rs.500/-)

I/We, M/s. ..... (Single Business Entity including a Company incorporated under The Companies ACT, 1956/2013 or any other equivalent Foreign Law/ Society/Trust/HUF/Registered Partnership Firm/Registered Solo Proprietor (the names and addresses of the registered office) hereby certify and confirm that I/We are not barred or blacklisted by Bengaluru Solid Waste Management Company Limited ("BSWML") / any other entity of Government of Karnataka or any State Government Or Central Government Department / Urban Local Body / Private Agencies in India from participating in bidding process, individually as on the_____(Bid Due Date).

I/We confirm that I/We do not attract the ineligibility clause under Section 26 of the Karnataka Municipal Corporations Act, 1976 or any of the provisions of Karnataka Civil Services (CCA) Rules.

I/We further confirm that I/We are aware that our Proposal for the Assignment would be liable for rejection and my Firm/Company will be terminated immediately and blacklisted in case any material misrepresentation is made or discovered with regard to the requirements of this RFP at any stage of the Bidding Process or thereafter during the agreement period.

Dated this .....Day of..., 20....
Name of the Bidder

Signature of the Authorised person

Name of the Authorised
Person [Notary Seal and
Signature]

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Conditions of Contract

A. General

1. Definitions

Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep theirdefined meanings. Bold letters are used to identify defined terms.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Tender.

Compensation events are those defined in Clause 38 hereunder.

The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with SubClause 46.1.

The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain theWorks. It consists of the documents listed in Clause 2.2 below.

The **Contract Data** defines the documents and other information which comprise the Contract.

The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by theEmployer.

The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer. The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with theprovisions of the Contract.

Days are calendar days; **months** are calendar months.

A **Defect** is any part of the Works not completed in accordance with the Contract.

The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Datewhich is 12 months for this project.

The **Employer** is the party who will employ the Contractor to carry out the Works.

Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance. The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised onlyby the Employer by issuing an extension of time.

Maintenance Period is the period named in the Contract Data, during which Contractor shall maintainthe works completed by him for a period of 12 months effective from last day of Defect Liability Period

Materials are all supplies, including consumables, used by the contractor for incorporation in the Works. **Plant** is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biologicalfunction.

The **Site** is the area defined as such in the Contract Data.

Specification means the Specification of the Works included in the Contract and any modification or addition madeor approved by the Employer.

The **Start Date** is given in the Contract Data. It is the date when the Contractor shall

commence execution of theworks. It does not necessarily coincide with any of the Site Possession Dates.

A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of thework in the Contract which includes work on the Site.

A **Variation** is an instruction given by the Employer which varies the Works.

The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, asdefined in the Contract Data.

2. Interpretation

In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor‟s Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) any other document listed in the Contract Data as forming part of the Contract.

3. Law governing contract

The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

5. Delegation

The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

Communications between parties which are referred to in the conditions are effective only when in writing. A noticeshall be effective only when it is delivered (in terms of Indian Contract Act).

7. Subcontracting (Deleted)

Deleted.

8. Other Contractors

The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. Personnel

The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work forcestating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's risks

The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's risks

The Employer is responsible for the excepted risks which are:

(a) rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-
Contractorsarising from the conduct of the Works; or

(b) a cause due solely to the design of the Works, other than the Contractor's design; or

(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:

- (i) could not have reasonably foreseen; or
- (ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of thefollowing measures;

(A) prevent loss or damage to physical property from occurring by taking appropriate measures or

(B) insure against such loss or damage

12. Contractor's risks

All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Insurance:

The Contractor shall prior to commencing the works, effect and thereafter maintain insurances , in the joint names ofthe Employer and the Contractor, (cover from the first working day after the Start Date to the end of Defects Liability Period), in the amounts stated in the Contract Data :

(a) for loss of or damage to the Works, Plants and Materials and the Contractor's

equipment;

(b) for liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the Contractor's performance of the Contract including the Contractor's liability for damage to the Employer's property other than the Works and

(c) for liability of both Parties and of any Employer's representative for death and injury to the Contractor's personnel except to the extent that liability arises from the negligence of the Employer, any Employer's representative or their Employees.

Policies and certificates for insurance shall be delivered by the Contractor to the Employer for his approval before the Start Date. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred. All payments received from insurers relating to loss or damage shall be held jointly by the Parties and usedfor the repair of the loss or damage or as compensation for loss or damage that is not to be repaired.

If the Contractor fails to effect or keep in force any of the insurances referred to in the previous sub-clauses or failsto provide satisfactory evidence, policies or receipts, the Employer may without prejudice to any other right or remedy, effect insurance for the cover relevant to such default and pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payments is due, the payment of the premiums shall bea debt due.

Alterations to the terms of an insurance shall not be made without the approval of the Employer. Both Parties shall comply with any conditions of the insurance policies.

14. Site Investigation Reports:

The Contractor, in preparing the tender, shall rely on any site investigation reports referred to in the Contract data, supplemented by any information available to the Tenderer.

15. Queries about the Contract Data

The Employer will clarify queries on the Contract Data.

16. Contractor to construct the Works

The Contractor shall construct the Works in accordance with the Specification and Drawings.

17. The Works to be completed by the Intended Completion Date

The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer, and complete them by the Intended Completion Date.

18. Approval by the Employer:

The Contractor shall submit Specification and drawings showing the proposed Temporary Works to the Employer,who is to approve them if they comply with the Specifications and Drawings.

The Contractor shall be responsible for the design of Temporary Works

The Employer’s approval shall not alter the Contractor’s responsibility for design of the Temporary Works.

The Contractor shall obtain approval of third parties to the design of third parties to the design of the temporary Works where required.

All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject toprior approval by the Employer before their use.

19. Safety

The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries

20. .1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

21. **Possession of the Site**

The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

22. **Access to the Site**

The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

23. **Instructions**

The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

24. **Procedure for resolution of Disputes:**

If the Contractor is not satisfied with the decision taken by the Employer, the dispute shall be referred to MD, BSWML.

B. Time Control

25. **Program**

Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works. The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

26. **Extension of the Intended Completion Date**

The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be

achieved by the Intended Completion Date.
The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of theContractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

27. **Delays ordered by the Employer**

The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

28. **Management meetings**

The Employer may require the Contractor to attend a management meeting. The business of a management meetingshall be to review the progress achieved and the plans for remaining work.

The responsibility of the parties for actions to be taken is to be decided by the Employer either at the managementmeeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

C. Quality Control

29. **Identifying defects**

The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect

30. **Tests**

If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

31. **Correction of defects**

The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer’s notice.

32. **Uncorrected defects**

If the Contractor has not corrected a Defect within the time specified in the Employer’s notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

D. Cost Control

33. **Bill of Quantities (BOQ)**

The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.
The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item

34. **Variations**

The Employer shall have power to order the Contractor to do any or all of the following as considered necessary oradvisable during the progress of the work by him

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ);
(b) Omit any item of work;
(c) Change the character or quality or kind of any item of work;
(d) Change the levels, lines, positions and dimensions of any part of the work;
(e) Execute additional items of work of any kind necessary for the completion of the works; and
(f) Change in any specified sequence, methods or timing of construction of any part of the work.

The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, whichmay be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract.

Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.

The Contractor shall promptly request in writing to the Employer to confirm verbal orders and the officer issuingoral instructions shall confirm it in writing within 30 days, failing which the work shall be carried out as though there is no variation. In case variation is approved it shall be accompanied by BOQ, failing which the contractor shall be responsible for deviation if any. Further, approval of Govt. / BSWML has to be obtained for the variation exceeding 5%.

35. **Payments for Variations**

Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current atthe time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract

If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer’s own forecast of the effects of the Variation on the Contractor's costs.
If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.
Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

36. **Submission of bills for payment**

The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.
The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.
The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

37. **Payments**

Payments shall be adjusted for deductions for advance payments other than recoveries in terms of contract and taxes,at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill. The contractor shall be liable to pay liquidated damages for shortfall in progress. For progress beyond theagreed programmer payment is subject to availability of the grants.
Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

38. **Compensation events**

The following are Compensation events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in theContract Data.
(b) The Employer orders a delay or does not issue drawings, specifications or instructions required forexecution of works on time.
(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which isthen found to have no Defects.
(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, oradditional work required for safety or other reasons.
(e) The effect on the Contractor of any of the Employer’s Risks.
(f) The Employer unreasonably delays issuing a Certificate of Completion.
(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.
As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If

the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer’s own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.
The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adverselyaffected by the Contractor not having given early warning or not having cooperated with the Employer.

39. **Tax**

The rates quoted by the Contractor shall be deemed to be exclusive of GST and inclusive of other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard tothe deduction of such taxes at source as per applicable law.

40. **Price Adjustment:**

(As per the G.O. No. FD 3 PCL 2008, Bangalore, Dated: 21.11.2008)

If the period of execution is more than 6 months but less than or equal to 12 months for work costing more than Rs.50 lakhs, star rates in respect of specified materials (cement, steel and bitumen) only shall be payable to the contractor based on the all India average wholesale price index for the said materials. The star rates adjustment shall be as per the increase or decrease in the index as applied to the said materials between the last date for receiving bidsand the date of execution as per the approved programmer of works submitted by the contractor at the time of execution of agreement which shall mandatorily be a part of the agreement.

41. **Liquidated damages**

The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the Contract Data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities. If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

42. Advance Payments: Refer Section 6: Contract Data

43. **Securities:**

The Security deposit (including additional security for unbalanced tenders) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and type of instrument acceptable to the Employer. The Security deposit shall be valid until a date 30 days from the date of

expiry of Defects Liability Period and the additional security for unbalanced tenders shall be valid until a date 30days from the date of issue of the certificate

of completion.

44. **Cost of Repairs:**

Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of theDefects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

45. Completion

The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

46. Taking over

The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

47. Final account

The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor’s revised account.

48. As built drawings and /or Operating and Maintenance Manuals

If “as built”(*Completion drawings*) Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.
If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer’s approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

49. Termination

The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract. Fundamental breaches of Contract include, but shall not be limited to the following:

(a) the Contractor stops work for 45 days when no stoppage of work is shown on the current Program andthe stoppage has not been authorized by the Employer;
(b) Deleted.
(c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction oramalgamation;

(d) Deleted.

(e) the Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contractand the Contractor fails to correct it within a reasonable period of time determined by the Employer;

(f) the Contractor does not maintain a security which is required;

(g) the Contractor has delayed the completion of works by the number of days for which the maximumnumber of liquidated damages can be paid as defined in the Contract data; and

(h) if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices incompeting for or in the executing the Contract.

For the purpose of this paragraph: “corrupt practice” means the offering, giving, receiving or solicitingof anything of value to influence the action of a public official in the procurement process or in contract execution. “Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.”

When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 49.2 above, the Employer shall decide whether the breach is fundamental or not.

Notwithstanding the above, the Employer may terminate the Contract for convenience.

If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave theSite as soon as reasonably possible.

50. **Payment upon Termination**

If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

51. **Property**

All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor’s default.

52. **Release from performance**

If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop workas quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made

F. Special Conditions of Contract

1. Labour :

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

2. Compliance with labour regulations:

During continuance of the contract, the Contractor shall abide at all times by all existing labour enactments and rulesmade there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause orobserve, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor in no case shall be treated as the employees of the Employer at any point of time.

3. Protection of Environment:

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that maybe passed or notification that may be issued in this respect in future by

the State or Central Government or the local authority.

4. Arbitration (Clause 24)

(a) delete

5. In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

6. The Contractor shall provide One four-wheeler along with driver, fuel expenses to Project Engineers in- charge of work to facilitate and co-ordinate the supervision of the work.

7. The Contractor shall establish field lab and field office to facilitate quality assurance of execution of works.

[Add other Clauses specific to the work for which tenders are invited.]

SECTION 6: CONTRACT DATA

Items marked "N/A" do not apply in this Contract.

The following documents are also part of the Contract: **Clause Reference**

- The Schedule of Operations Manuals [48]
- The Methodology and Program of Construction [25]
- Site Investigation Reports [14]
- The Schedule of Key and Critical Equipment to be deployed on the work as per agreed program of construction. [25The Employer is :

Name: **The Managing Director** [1.1]
BSWML, Bangalore

Name of authorized Representative:
Office of the Deputy General
Manager-02, BSWML,1st Floor,
BBMP Building, Thimmaiah road,
Bengaluru-560052

The name and identification number of the Contract is DGM-2/BSWML/Tend/13/25-26

Date:17.07.2025

[1.1] “Developmental works at SWM Sites Package-1(Binny Mill and Bellahalli)

(Call-2).”

The Works consist of Fire Protection equipment supply works for creating infrastructure. The start date shall be the date of issue of notice to proceed with the work.

[1.1]

The Intended Completion Date for the whole of the Works is 06 months with the following milestones [17, 26]

Sl No.	Mile stone	Completion
1	Milestone 1 - 20% of the work	2 Months
2	Milestone 2 – 40% of the work	4 Months
3	Milestone 3 – 40% of the work	6 Months

The Defects Liability Period is ONE years after submitting

COMPLETION REPORT. The Site Possession Date is: Date of work order [21]

The Sites are located at various locations in BBMP Limits mainly at Binny Mill and Bellahalli

[1.1] Insurance requirements are as under:

	Type of Cover	Minimum cover for Insurance[6]
(i)	Works and of Plant and materials	The sum stated in the Agreement (contract Value) plus 20%
(ii)	Loss or damage to equipment	Full replacement cost
(iii)	Loss or damage to property of Third Party	Full replacement cost
(iv)	Personal injury or death insurance (a) for Third Party[7]	5.00 Lakhs each person
	(b) for Contractor's employees or labour	In accordance with the statutory requirements applicable to Karnataka Rs. 5.00Lakhs each person

Price Adjustment Formula**; (DELETED)** [40]

The liquidated damages for the whole of the works are Rs.50,000.00 (amount) per day and that for the milestones are as under:

For Milestone1: Rs. 10,000.00 per day
For Milestone2: Rs. 20,000.00 per day
For Milestone3: Rs. 20,000.00 Per day

The maximum amount of liquidated damages for the whole of the works is Ten percent of final contract price.

The amounts of the advance payment are [42]

Nature of Advance	**Amount (Rs.)**	**Conditions to be fulfilled**
Mobilization	5% of the Contract price	On submission of un-conditional Bank Guarantee. (to be drawn before end of 20% of Contract period)

(The advance payment will be paid to the Contractor no later than 30 days after fulfillment of the

above conditions).

Repayment of advance payment for mobilization : [42]

The advance loan shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all suchpayments to the Contractor has reached not less than 15 percent of the Contract Price or Three months from the date of payment of first installment of advance, whichever period concludes earlier, and shall be made at the rate of 7.5% percent of the amounts of all Interim Payment Certificates until such time as the loan has been repaid, always provided that the loan shall be completely repaid prior to the expiry of the original time for completion pursuant to Clauses 17 and 26.

The date by which "as-built"[10] drawings (in scale ...[11]) in 2 sets are required is within

To be filled up by the Employer before issue of the tender document; say,

Three or four months" 30 days of issue of certificate of completion of

Whole or Section of the
Work as the case may be. [48]

The date by which Village developmental work are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

(The amount should be sufficient to get the completion drawings or operating and Maintenance Manuals prepared by alternative agency in case the contractor fails to submit.) [48]The following events shall also be fundamental breach of the contract: [9.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's [50.1]

Additional cost for completing the Works shall be 30 percent (30%).

SECTION 8:
BILL OF QUANTITIES

SL No	Descriptions	Units	Quantity	Rate(excluding gst)	Total Amount
1	Earth work excavation by manual means for drains, canals, waste weir, draft, approach channels, key trenches, foundation of Buildings and bridges and such simillar works in all kinds of soils, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting and stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools and other appurtenaces required to complete the work 1.4.2 Depth exceeding 1.5m, but not exceeding 3 m	Cum	974.70	284.90	277692.03
2	Sand Filling in Wells complete as per Drawing and Technical Specifications.	Cum	308.04	2839.10	874556.364
3	Providing and laying in position Cement Concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates as per the directions and instructions of engineer in charge. For New construction	Cum	415.01	6838.70	2838128.887

4	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in subbase/base course on well prepared surface and compacting with vibratory roller to achieve the desired density.	cum	324.14	2814.90	912421.686
5	Providing and laying in position Cement Concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead and lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications.M30 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	462.58	7148.90	3306938.162
6	Providing ThermoMechanically Treated bars of grade Fe500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately). complete with all lead and lift as per the direction of Engineerincharge.	Tonne	25.90	98402.70	2548629.93
7	Earth work in surface excavation by mechanical means for lowering and leveling the ground for all works other than foundation in all kinds of	cum	5258.58	104.50	549521.61

	soils and upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting and stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery and other appurtenances required to complete the work.				
8	Loading and Unloading of Stone Boulder/Stone aggregates/Sand/ Kankar/Moorum. (Tipper 5.5 m3)	cum	5258.58	148.50	780899.13
9	Cost of Haulage excluding loading and Unloading Case1 : Surfaced Road a Taking output 10 t load and lead 10 km = 100 t.km	cum	176688.29	13.20	2332285.428
10	Earth work excavation for Foundation by mechanical means for all works and depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting and stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery and other appurtenaces required to complete the workIn all kinds of soils Depth upto 3 m	Cum	136.27	112.20	15289.494
11	Providing and injecting chemical emulsion for Preconstructional AntiTermite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is	Sqm	192.51	129.80	24987.798

	to be laid, surrounding of pipes and conduits with Chlorpyriphos 20percent E.C./Lindane 20percent E.C. at 3.19 l/sqm including cost of chemical, diluting in water to one percent concentration, labour, usage charges of machinery, complete as per specifications.				
12	Providing and Filling in foundation with granite/trap broken metal 100mm. And down size and with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications.	Cum	16.01	2682.00	42938.82
13	providng and laying polythene Fil including cost of all labour complete as per specifications. Specification. m LDPE 100 microns below the concrete	Sqm	321.97	129.00	41534.13
14	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates	Cum	54.41	6587.90	358447.639
15	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle	Cum	21.14	7527.17	159124.3738

	vibrators, including all lead and lifts, cost of all materials, quality confirming to the requirements of relevant IS codes,labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesFoundation upto Plintha. Isolated				
16	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesRCC Columns/Shaft (Slip Centering)Ground Floor	Cum	7.42	12117.60	89912.592
17	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts,	Cum	6.44	12238.78	78817.7432

	cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesRCC Columns/Shaft (Slip Centering)First Floor				
18	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesRCC Columns/Shaft (Slip Centering) Second Floor	Cum	3.96	12359.95	48945.402
19	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances	Cum	0.81	12481.13	10109.7153

	required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesRCC Columns/Shaft (Slip Centering) Third Floor				
20	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesPlinth BeamsGround Floor	Cum	59.62	10692.00	637457.04
21	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix	Cum	19.05	11404.80	217261.44

	Using 20 mm nominal size graded crushed coarse aggregatesBeams and Lintels of Building,Roof (Straight and Arched)Ground Floor				
22	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesBeams and Lintels of Building,Roof (Straight and Arched)First Floor	Cum	17.15	11518.85	197548.2775
23	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesBeams and Lintels of Building,Roof (Straight	Cum	8.57	11632.90	99693.953

	and Arched) Second Floor				
24	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesBeams and Lintels of Building,Roof (Straight and Arched) First Floor	Cum	40.94	10798.92	442107.7848
25	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesBeams and Lintels of Building,Roof (Straight and Arched) Second Floor	Cum	20.15	10905.84	219752.676

26	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesChejjas, Canopy and Other Architectural projections of minor sectionsGround Floor	Cum	2.32	10335.60	23978.592
27	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesChejjas, Canopy and Other Architectural projections of minor sectionsFirst Floor	Cum	1.78	10438.96	18581.3488

28	Providing and laying in Reinforced cement concrete for all Basement and surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead and lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesChejjas, Canopy and Other Architectural projections of minor sectionsSecond Floor	Cum	0.89	10542.31	9382.6559
29	Providing ThermoMechanically Treated bars of grade Fe500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per pecifications. (The laps and wastages shall not be measured separately).First Floor	Tonne	10.50	99386.73	1043560.665
30	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	500.08	292.60	146323.408

31	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/msqm conforming to IS 2185 (Part I) 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specificationGround Floor	Sqm	572.79	1441.00	825390.39
32	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/msqm conforming to IS 2185 (Part I) 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specificationFirst Floor	Sqm	277.14	1455.41	403352.3274
33	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/msqm conforming to IS 2185 (Part I) 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specificationFirst Floor	Sqm	171.69	1469.82	252353.3958

34	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/msqm conforming to IS 2185 (Part I) 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specificationFirst Floor	Sqm	38.70	1484.23	57439.701
35	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/msqm conforming to IS 2185 (Part I) 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery ce tcomplete as per specifications Ground Floor	Sqm	19.89	1214.40	24154.416
36	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/msqm conforming to IS 2185 (Part I) 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery ce tcomplete as per specifications First Floor	Sqm	56.25	1226.54	68992.875

37	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/msqm conforming to IS 2185 (Part I) 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery ce tcomplete as per specifications Second Floor	Sqm	66.81	1238.69	82756.8789
38	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineerincharge.Ground Floor	Sqm	705.67	389.40	274787.898
39	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineerincharge.First Floor	Sqm	356.02	393.29	140019.1058
40	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineerincharge.second Floor	Sqm	241.82	397.19	96048.4858

41	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineerincharge.Ground Floor	Sqm	768.33	265.10	203684.283
42	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineerincharge.First Floor	Sqm	713.32	267.75	190991.43
43	Providing 12 mm cement plaster with cement mortar 1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineerincharge.Second Floor	Sqm	429.29	270.40	116080.016
44	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix :1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineerincharge.Ground Floor	Sqm	87.53	306.90	26862.957

45	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix :1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineerincharge.First Floor	Sqm	123.57	309.97	38302.9929
46	Providing 15 mm cement plaster on the rough side of single or half brick wall of mix :1:6 (1 cement: 6 fine sand) including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineerincharge.second Floor	Sqm	61.79	313.04	19342.7416
47	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Ground Floor	Sqm	87.53	1593.90	139514.067
48	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. First Floor	Sqm	87.53	1609.84	140909.2952
49	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Second Floor	Sqm	43.76	1625.78	71144.1328

50	Providing and laying vitrified floor tiles with thickness 910 mm in different sizes with water absorption less than 0.08percent and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry at 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc. complete Ground Floor Size of Tile 600x600 mm	Sqm	183.74	1259.50	231420.53
51	Providing and laying vitrified floor tiles with thickness 910 mm in different sizes with water absorption less than 0.08percent and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry at 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc. complete Ground Floor Size of Tile 600x600 mm	Sqm	173.24	1272.10	220378.604
52	Providing and laying vitrified floor tiles with thickness 910 mm in different sizes with water absorption less than 0.08percent and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry at 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc. complete Ground Floor Size of Tile 600x600 mm	Sqm	86.62	1284.69	111279.8478
53	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed,including cost of materials, mortar, labour, curing complete as per specifications.Ground Floor	Sqm	67.90	5860.80	397948.32

54	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed,including cost of materials, mortar, labour, curing complete as per specifications.Ground Floor	Sqm	67.90	5919.41	401927.939
55	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed,including cost of materials, mortar, labour, curing complete as per specifications.Ground Floor	Sqm	33.95	5978.02	202953.779
56	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry at 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc. complete	Sqm	4.00	977.90	3911.6
57	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry at 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc. complete	Sqm	8.00	987.68	7901.44

58	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry at 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc. complete	Sqm	4.00	997.46	3989.84
59	Providing and fixing M.S. grills of required pattern in frames of win dows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings/wooden frames with rawl plugs screws etc.Ground FLoor	Kgs	601.02	201.30	120985.326
60	Providing and fixing M.S. grills of required pattern in frames of win dows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings/wooden frames with rawl plugs screws etc.Ground FLoor	Kgs	374.22	203.31	76082.6682
61	Providing and fixing M.S. grills of required pattern in frames of win dows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings/wooden frames with rawl plugs screws etc.Ground FLoor	Kgs	171.99	205.33	35314.7067

62	Providing and fixing of 2.5 track x 2panel sliding windows made out of multi chambered UPVC(Matching to RAL9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets grey colour having isolated drainage and reinforced with Galvanized Iron profile throughout the window frame. The outer frame having an overall size of 81mm width x 42mmheight with reinforcement of 1mm thickness and Sash with overall size of 31mm x 57mm and mesh sash of size with GI reinforcement of 1.5mm thickness. Coextruded Glazing bead for fixing of glass shall be of size 21.5mm x 9.5mm. Windows shall be provided with 5mm plain float glass, standard hardwareand single point locking system with touch lock. Wall thickness of frame and sash shall be of 1.82.0mm. Maximum possible size-1519mm x 1519mm (The cost is inclusive of all fixtures and separate charges for minor TandPs shall not be made)Ground FLoor	Sqm	28.62	7206.10	206238.582

63	Providing and fixing of 2.5 track x 2panel sliding windows made out of multi chambered UPVC(Matching to RAL9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets grey colour having isolated drainage and reinforced with Galvanized Iron profile throughout the window frame. The outer frame having an overall size of 81mm width x 42mmheight with reinforcement of 1mm thickness and Sash with overall size of 31mm x 57mm and mesh sash of size with GI reinforcement of 1.5mm thickness. Coextruded Glazing bead for fixing of glass shall be of size 21.5mm x 9.5mm. Windows shall be provided with 5mm plain float glass, standard hardwareand single point locking system with touch lock. Wall thickness of frame and sash shall be of 1.82.0mm. Maximum possible size-1519mm x 1519mm (The cost is inclusive of all fixtures and separate charges for minor TandPs shall not be made)Ground FLoor	Sqm	17.82	7278.16	129696.8112

64	Providing and fixing of 2.5 track x 2panel sliding windows made out of multi chambered UPVC(Matching to RAL9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets grey colour having isolated drainage and reinforced with Galvanized Iron profile throughout the window frame. The outer frame having an overall size of 81mm width x 42mmheight with reinforcement of 1mm thickness and Sash with overall size of 31mm x 57mm and mesh sash of size with GI reinforcement of 1.5mm thickness. Coextruded Glazing bead for fixing of glass shall be of size 21.5mm x 9.5mm. Windows shall be provided with 5mm plain float glass, standard hardwareand single point locking system with touch lock. Wall thickness of frame and sash shall be of 1.82.0mm. Maximum possible size-1519mm x 1519mm (The cost is inclusive of all fixtures and separate charges for minor TandPs shall not be made)Ground FLoor	Sqm	8.91	7350.22	65490.4602
65	Providing Mathi/Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage chargescomplete as per specifications.Ground Floor	Cum	2.09	136622.20	285540.398
66	Providing Mathi/Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage chargescomplete as per specifications.Ground Floor	Cum	0.74	137988.42	102111.4308

67	Providing Mathi/Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage chargescomplete as per specifications.Ground Floor	Cum	0.37	139354.64	51561.2168
68	Providing and fixing flush door shutter made out of solid core block board type, well seasoned,chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (partI) 1991. from manufacturer complete as per spcification.do 35 mm thick both side commercialGround Floor	Sqm	14.49	3654.20	52949.358
69	Providing and fixing flush door shutter made out of solid core block board type, well seasoned,chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (partI) 1991. from manufacturer complete as per spcification.do 35 mm thick both side commercialGround Floor	Sqm	13.86	3690.74	51153.6564

70	Providing and fixing flush door shutter made out of solid core block board type, well seasoned,chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (partI) 1991. from manufacturer complete as per spcification.do 35 mm thick both side commercialGround Floor	Sqm	6.93	3727.28	25830.0504
71	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debris with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.Ground Floor	Nos	8.00	1117.60	8940.8
72	Fixing of window frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. Ground Floor	Nos	20.00	850.30	17006
73	Providing and fixing chromium plated brass butt hinges with necessary chromium plated brass screws etc. complete 125x70x4 mm (ordinary type)	Nos	68.00	187.00	12716

74	Providing and fixing 85x42 mm chromium plated brass pull bolt lock with necessary chromium plated brass screws, nuts, bolts and washers etc. complete	Nos	20.00	251.90	5038
75	Providing and fixing Brass 100mm mortice latch and lock with 6 levers without pair of handles (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete including cost of materials, labour, usage charges of machinery complete as per specifications. (Upto First Floor)	Nos	20.00	480.70	9614
76	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	Nos	4.00	1225.40	4901.6
77	Providing and fixing aluminium tubular handle bar 32 mm outer dia,3.0 mm thick and 2100 mm long with SS screws etc .complete as per direction of EngineerinCharge. Anodized (AC 15) aluminium tubular handle bar including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the EngineerinCharge	Nos	34.00	644.60	21916.4
78	Providing and fixing 150 mm bright finished floor brass door stopper with rubber cushion, necessary brass screws etc. to suit shutter thickness complete as per the direction of Engineerincharge.	Nos	6.00	259.60	1557.6
79	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete : 250x10mm	Nos	10.00	478.50	4785

80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in chargeGround Floor	Sqm	768.33	110.00	84516.3
81	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in chargeGround Floor	Sqm	686.92	111.10	76316.812
82	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge	Sqm	336.89	112.20	37799.058
83	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per directions of Engineer in charge.Ground Floor	Sqm	377.26	58.30	21994.258
84	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per directions of Engineer in charge.First Floor	Sqm	356.02	58.88	20962.4576

85	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per directions of Engineer in charge.Second Floor	Sqm	165.86	59.47	9863.6942
86	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications: Two coats applied on walls at 1.25 ltr/10 sqm over and including one coat of Special primer applied at 0.75 ltr /10 sqm with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineerincharge.	Sqm	892.74	173.80	155158.212
87	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications: Two coats applied on walls at 1.25 ltr/10 sqm over and including one coat of Special primer applied at 0.75 ltr /10 sqm with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineerincharge. First Floor	Sqm	686.92	175.54	120581.9368

88	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications: Two coats applied on walls at 1.25 ltr/10 sqm over and including one coat of Special primer applied at 0.75 ltr /10 sqm with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineerincharge. Second Floor	Sqm	336.89	177.28	59723.8592
89	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied at 1.43 ltr/10 sqm over and including priming coat of exterior primer applied at 2.20 kg/10 sqm) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineerincharge.	Sqm	581.26	195.80	113810.708

90	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied at 1.43 ltr/10 sqm over and including priming coat of exterior primer applied at 2.20 kg/10 sqm) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineerincharge.First Floor	Sqm	356.02	197.76	70406.5152
91	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two coats applied at 1.43 ltr/10 sqm over and including priming coat of exterior primer applied at 2.20 kg/10 sqm) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineerincharge.	Sqm	248.79	199.72	49688.3388
92	Painting on Wood SurfacesProviding and applying two coats of ready mix paint of approved brand on wood surface after thorough cleaning of surface to give an even shadeGround Floor	Sqm	37.67	115.50	4350.885
93	Painting on Wood SurfacesProviding and applying two coats of ready mix paint of approved brand on wood surface after thorough cleaning of surface to give an even shadeFirst Floor	Sqm	18.02	222.71	4013.2342

94	Painting on Wood SurfacesProviding and applying two coats of ready mix paint of approved brand on wood surface after thorough cleaning of surface to give an even shadeSecond Floor	Sqm	18.02	224.91	4052.8782
95	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400percent and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats at 1.6kg per sqm to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer at150 g per sqm and protection with 120gsm Geotextile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification and with a 10 years warranty on product and work from certified manufacturers as per the direction of the Engineer In charge.Ground	Sqm	243.84	916.67	223520.8128
96	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete.upto 50 mm conduit in brick wall	Mtr	633.50	29.00	18371.5
97	Supplying PVC flexible conduit pipe .... mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300 mm using NF screws and on either end of the pipe terminated completely 20mm	Mtr	1560.00	19.00	29640

98	Supplying PVC flexible conduit pipe .... mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300 mm using NF screws and on either end of the pipe terminated completely 25mm	Mtr	1105.00	22.00	24310
99	Supplying PVC flexible conduit pipe .... mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300 mm using NF screws and on either end of the pipe terminated completely 32mm	Mtr	720.00	29.00	20880
100	Supplying PVC flexible conduit pipe .... mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300 mm using NF screws and on either end of the pipe terminated completely 63mm	Mtr	345.00	69.00	23805
101	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase and Neutral) and 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Short point upto 3Mtr from tapping point to out let via switch	point	60.00	285.00	17100

102	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase and Neutral) and 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch	point	45.00	394.00	17730
103	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase and Neutral) and 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Long point above 6Mtr upto 10Mtr from tapping point to out let via switch	point	60.00	570.00	34200
104	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase and Neutral) and 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.Two outlet in a row, above 3Mtr upto 6Mtr from tapping point to out let via switches	point	30.00	708.00	21240

105	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase and Neutral) and 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.Three outlet in a row, above 6Mts upto 10Mtr from tapping point to out let via switches	point	12.00	1035.00	12420
106	Supplying and fixing sheet Metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved make etc.75 x 75 x 65 mm	Each	60.00	106.00	6360
107	Supplying and fixing sheet Metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved make etc.100 x 75 x 65 mm	Each	60.00	118.00	7080
108	Supplying and fixing sheet Metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved make etc.180 x 90 x 65 mm	Each	70.00	161.00	11270
109	Supplying and fixing sheet Metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved make etc.200 x 90 x 65 mm	Each	30.00	179.00	5370
110	Supplying and fixing sheet Metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved make etc.135 x 160 x 65 m	Each	30.00	215.00	6450

111	Supplying and fixing sheet Metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of primer of approved make etc.200 x 200 x 65 mm	Each	40.00	348.00	13920
112	Supplying and fixing PVC/metal conduit Deep junction box 19/20 mm deep Junction box	Each	75.00	49.00	3675
113	Supplying and fixing PVC/metal conduit Deep junction box 25 mm deep Junction box	Each	60.00	56.00	3360
114	Supplying and fixing PVC/metal conduit Deep junction box 32 mm deep Junction box	Each	90.00	61.00	5490
115	Supplying And Fixing M.S. Rafter Clamp Set made out of M.S.Flat and 14 mm M.S. rod.	Nos	75.00	160.00	12000
116	Supplying And Fixing Metal Fan Box with Round Hook	Nos	10.00	117.00	1170
117	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS 694:2010 1 mm	Mtr	1760.00	19.00	33440
118	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS 694:2010 1.5 mm	Mtr	1480.00	26.00	38480
119	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS 694:2010 2.5 msqm	Mtr	660.00	42.00	27720
120	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS 694:2010 4 msqm	Mtr	550.00	63.00	34650

121	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS 694:2010 6 msqm	Mtr	365.00	92.00	33580
122	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc. complete on the existing metal/PVC box.3 Module	Each	125.00	161.00	20125
123	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc. complete on the existing metal/PVC box.4 Module	Each	95.00	175.00	16625
124	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc. complete on the existing metal/PVC box.6 Module	Each	60.00	234.00	14040
125	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc. complete on the existing metal/PVC box.8 Module	Each	45.00	284.00	12780
126	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc. complete on the existing metal/PVC box.1012 Module	Each	45.00	344.00	15480
127	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc. complete on the existing metal/PVC box.16 Module	Each	18.00	397.00	7146

128	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6A One Way Switch	Each	125.00	102.00	12750
129	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6A Two Way Switch	Each	60.00	166.00	9960
130	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6A Three Way socket	Each	45.00	171.00	7695
131	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293.Stepped Fan Regulator Two Module	Each	30.00	357.00	10710
132	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293.16A One Way Switch	Each	90.00	180.00	16200
133	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6A Bell Push	Each	30.00	177.00	5310
134	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6/16A Universal Socket	Each	45.00	236.00	10620
135	Supplying and fixing of modular switch and connected accessories on existing modular switch plate as per IS 3854 and IS 1293.TV/Telephone Socket	Each	2.00	156.00	312
136	Supplying and fixing 32A security and energy saving DP switch with key tag suitable to operate on 230 V, 50Hz AC supply andcompletely wired on existing box	Each	24.00	646.00	15504
137	Supplying And fixing/replacing of 6/16/32A electrical accessories on existing switch board.6A Batten Holder	Each	24.00	74.00	1776

138	Supplying exhaust fan of 1440 RPM of 300 mm (12) size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply.	Each	4.00	1492.00	5968
139	Fixing all types and all capacities of fluorescent /false ceiling/spot light/CFL/LED fittings indoor on the wall/ ceiling/rafters/girders using 23/0.0076 twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall/ ceiling/Rafter/Girders	Each	56.00	122.00	6832
140	Supplying of Ceiling Fan with Capacitor rating As per guideline of BEE 5 star rating and IS:374/19 and also comply with IS: 1709/1984 with latest amendment, Rated volta e 220 V/50 Hz, Rated power upto 35 W +/ 10 percent, Rated current As per IS:374/19, Rated power factor 0.9 lagging(min), Rated speed 350 +/ 10percent RPM, Rated air delivery 210 +/ 10percent Cubic Meter Minimum, Rated service value 6.2 CMM/W, Three Blades of blade leaf 1.05 mm thick Aluminium Alloy sheet, Class B motor insulation, Bearing Two ball bearings, Top 6202, Bottom 6201, as per IS specification, Motor winding. Temp rise Shall not exceed 75 deg C over and ambient of 40 0C by resistance method at 245 V, Insulation resistance Shall not be less than Two Mega Ohms (2M Ohms), Leakage current Should not exceed 210 Micro Amp, Power input, Wand current, Air Delivery and Fan Speed as per IS:374/2019 with latest amendment, 2year manufacturer Warranty. (BLDC fans)48 Sweep 5 Star (1200 mm)	Each	10.00	2677.00	26770
141	Supplying and fixing of slim box fitting, made out of CRCA Sheet metal body with locking type holder completely wired. Excluding Ballast and Fluorescent Tube 1 x 2 Tube light fitting.	Each	20.00	248.00	4960

142	Supplying and fixing of slim box fitting, made out of CRCA Sheet metal body with locking type holder completely wired. Excluding Ballast and Fluorescent Tube 1 x 4 Tube light fitting.	Each	20.00	361.00	7220
143	Supply of round/square recess/surface mounted rolling type LED Down light with ..... W GU 10 LED Lamp Rib Fabricated from diecast aluminium with white powder coated prewired to mains connector and has swivelling unit of aluminium die cast eye ball and LED Lamp position retained by circular wire spring, with Life of 25000 burning hours and 70percent lumen maintenance with CRI greater than 80. Power Input: 220240V at50/60Hz and Power factor greater than0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition LED square or round down light 1012W	Each	50.00	885.00	44250
144	Supply of round/square recess/surface mounted rolling type LED Down light with ..... W GU 10 LED Lamp Rib Fabricated from diecast aluminium with white powder coated prewired to mains connector and has swivelling unit of aluminium die cast eye ball and LED Lamp position retained by circular wire spring, with Life of 25000 burning hours and 70percent lumen maintenance with CRI greater than 80. Power Input: 220240V at50/60Hz and Power factor greater than0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition LED square or round down light 1518W	Each	36.00	1324.00	47664

145	Supplying of recess mounting non integral type ..... LED w luminaire comprising of pressure decast/extruded aluminium housing, with spring loaded false ceiling clamps, Power LEDs with CCT 6500 degree K, CRIgreater than 70percent. efficacy greater than 100 lumen per W, 120degree beam spread, lifegreater than 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 and LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level LEDs are driven by HF electronic driver integrated in a separate control gear assembly. with PF greater than 0.95, power loss should< 5percent of lamp Wage. short circuit and open circuit protection to be integrated in the circuit, THD less than 20percent, Life as per LM 79. The operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.11.6.2 LED modular down light 1x1 24W	Each	22.00	3692.00	81224

146	Supplying and fixing regular MCCB distribution Panel confirming to IS/IEC 61439 3 and IK09 tested as per IS/IEC 62262 with minimum IP43 protection provided with Polyurethane (PUR) gasket, with suitable earthing system, on wall/wood board/flush mounting using required cl A,bolts, nuts, etc. with provision for fixing of suitable type capacity MCCBs as an incomer for 3 phase Double door with necessary bus bar completely wired to use on 440V 3phase 4 wire powder coated painting etc. complete with a provision for fixing of single/three phase suitable capacity MCBs as outgoings confirming to IS/IEC 60898 2.12 Way	Each	3.00	15529.00	46587
147	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C Type curve, indicator ON/OFF, energy cross3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.632 A SP	Each	6.00	415.00	2490
148	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C Type curve, indicator ON/OFF, energy cross3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.632 A DP	Each	6.00	739.00	4434
149	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C Type curve, indicator ON/OFF, energy cross3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.632 A TPN	Each	6.00	1717.00	10302

150	Supplying and fixing regular MCB distribution boards on wall/ood board/flush mounting using required clamps, bolts, nuts etc. with provision for fixing suitable type capacity MCBs single phase/3 phase/single door with powder coated painting Made out of 14 SWG MS enclosure. II Double Door 16 Way SP and N	Each	6.00	2908.00	17448
151	Earthing: Providing and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia.	Job	6.00	3750.00	22500
152	Supply and Installation/Fixing/Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase/Three Phase Energy Meter in suitable base plate and having a provision for Fuse/MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility.300 mm x 450 mm x 214 mm	Each	6.00	6163.00	36978
153	Supplying and fixing Electronic Trivector Meter (ETV) suitable for operation LT operation and CT operated meter in polycarbonate body in class 0.5 accuracy as per IS 14697 and completely wired.	Each	5.00	4390.00	21950

154	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern and C.P. flush bend with fittings and C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making goodthe walls and floors wherever required	Each	8.00	6574.70	52597.6
155	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	Unit	8.00	3390.20	27121.6
156	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :One urinal basin with 5 litre white .PV.C. automatic flushing cistern	Unit	6.00	4899.40	29396.4
157	Providing and fixing solid plastic seat with lid for pedestal type W.C. pan complete :White solid plastic seat with lid	Pair	10.00	598.40	5984
158	Providing and fixing 100 mm sand cast Iron grating for gully trap.	Each	16.00	51.70	827.2
159	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete..	Each	10.00	1342.00	13420

160	Providing and fixing brass stop cock of approved quality :20 mm nominal bore	Nos	30.00	335.50	10065
161	Providing and fixing brass bib cock of approved quality :20 mm nominal bore	Nos	40.00	335.50	13420
162	Providing and fixing Brass full way valve gate with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	Nos	10.00	603.90	6039
163	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.15 mm nominal dia pipes	Mtr	55.00	339.90	18694.5
164	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.20 mm nominal dia pipes	Mtr	85.00	416.90	35436.5

165	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.25 mm nominal dia pipes	Mtr	40.00	524.70	20988
166	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal sibility for hot and cold water supply including all CPVC plain and brass threaded fittings This includes jointing of pipes and fittings with one step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer in Charge. External work32 mm nominal dia Pipes	Mtr	30.00	612.70	18381
167	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal sibility for hot and cold water supply including all CPVC plain and brass threaded fittings This includes jointing of pipes and fittings with one step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer in Charge. External work50 mm nominal dia Pipes	Mtr	20.00	793.10	15862
168	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal sibility for hot and cold water supply including all CPVC plain and brass threaded fittings This includes jointing of pipes and fittings with one step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer in Charge. External work100 mm nominal dia Pipes	Mtr	180.00	2776.40	499752

169	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Ltr	4000.00	9.90	39600
170	Providing and fixing squaremouth S.W. gully trap class SP1 complete with C.l. grating brick masonry chamber l00mm x l00mm size P type with Non Modular common burnt clay bricks of designation 3.Sand water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and rrame to be not less than 2.70 kg as per standard design:	Each	8.00	2785.20	22281.6
171	Providing and fixing kitchen sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste complete, including painting the fittings and brackets, cutting and making good the walls wherever required:14.9.1 White glazed fire clay kitchen sink of size 600x450x 250 mm	Each	4.00	3279.10	13116.4
172	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes 100 mm diameter	Mtr	56.00	320.10	17925.6
173	Providing, supplying to work site,Single Phase Submersible Pump Sets of 100mm dia (4 inch) suitable for bore well confirming to IS 80342000 specifications,with testing of as per instructions of engineer incharge of work and latest amendments.For 1.00 HP/0.75KW 7 stage	Each	2.00	14649.80	29299.6

174	Providing and fixing Unplasticised Polyvinyl Chloride (uPVC) pipes, for cold water supply including all uPVC plain and brass threaded fittings This includes jointing of pipes and fittings with one step uPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer in Charge. External work 150 mm nominal dia Pipes	Mtr	30.00	1752.30	52569
175	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 600X850 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc	Each	8.00	8141.10	65128.8
176	Providing and fixing PVC (S.W.R) Nahani Trap 10cms x 10cms with all fitting arrangements and all necessary accessories complete	Nos	8.00	242.00	1936
177	Providing and laying 150 micron Low Density Polyethylene (LDPE) sheet confirming to IS 3395 : 1997 below concrete pavement including all materials and labour complete	sqm	459.75	129.00	59307.75

178	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead and lifts, cost of all materials, quality confirming to the requirements of relevant IS codes,labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately)sqm5 Design Mix Using 20 mm nominal size graded crushed coarse aggregatesFoundation upto Plintha. Isolated complete with all lead and lift as per the direction of Engineerincharge.	Cum	91.52	6969.60	637857.792
179	Shuttering for Footings8percent	cum	14.40	557.57	8029.008
180	Shuttering for Drain walls 35percent	cum	24.30	2439.36	59276.448
181	Shuttering for Columns 70percent	cum	3.96	4878.72	19319.7312
182	Shuttering for Plinth Beams 50percent	cum	11.22	3484.80	39099.456
183	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster with cement mortar 1:6 (1 cement : 6 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineerincharge.	Sqm	251.38	408.10	102588.178

184	Finishing walls with 100percent Premium acrylic emulsion paint having VOC less than 50 g/L and UV resistance as per IS 15489:2004, Alkali and fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives, New work (Two coats applied at 1.43 L/ 10 sqm. Over and including priming coat of exterior primer applied at 0.90 L/10 sqm with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineerincharge.	Sqm	201.54	171.60	34584.264
185	Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed at 2 L per 50 kg of cement or as per direction of Engineer incharge.	Sqm	226.68	880.00	199478.4
186	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc. including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished seamless type tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the EngineerinCharge.	kg	23403.90	161.70	3784410.63

187	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400percent and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats at 1.6kg per sqm to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer at150 g per sqm and protection with 120gsm Geotextile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification and with a 10 years warranty on product and work from certified manufacturers as per the direction of the Engineer In charge	Sqm	689.40	898.70	619563.78
188	Providing and fixing corrugated G.S. sheet roofing including vertical/curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete as per design drawings (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required as per the direction of Engineer in charge.0.63 mm thick with zinc coating not less than 275 g/ sqm	Sqm	685.75	1082.93	742619.2475

189	Providing and fixing upvc ventilator with Exhaust Turbo speed fan with 5 blades (300mm x 300 mm and above sized fan) with copper motor having mounting arrangements as per direction of Engineer in charge of work	Nos	10.00	2145.00	21450
190	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 g/sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes.. 1. A sealing primer may be applied in advance on cement concrete pavement to ensure proper bonding. Any laitance and/or curing compound to be removed where paint is required to be applied on concrete surface. 2. Cost of painter is already included in usage charges of road marking machine	Cum	390.72	583.00	227789.76
191	Direction and Place identification Signs with size more than 0.9 sqm size Board.Providing and erecting direction and place identification retroreflectorised sign as per IRC:67:2022 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick or Aluminium composite material sheet with overall thickness of 4mm with area exceeding 0.9 sqm fixed over back support frame of min 40 x 40 x 5mm angle mounted on a mild steel circular pipe 65 NB, firmly fixed to the ground by means of properly designed foundation with sqm5 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing	Sqm	11.00	10672.20	117394.2

192	Supplying and Fixing of Molded Shank Raised PavementMarkers/Cats Eye made of polycarbonate and ABS mouldedbody and reflective panels with micro prismatic lens capable ofproviding total internal reflection of the light entering the lensface and shall support a load of 16000 kg tested in accordanceto ASTM D 4280 Type H and complying to Specifications ofCategory A of MORTH Circular No RW/NH/33023/1097DO III Dt 11.06. 1997. The height, width and length shall notexceed 50 mm, 100 mm and 102 +/ 2 mm and with minimumreflective area of 13 csqm on each side and the slope to thebase shall be 35 +/ 5 degree. The strength of detachment oftheintegrated cylindrical shanks, (of diameter not less than19 +/ 2 mm and height not less than 30+/ 2 mm) fromthe body is to be a minimum value of 500 Kg. Fixing will beby drilling holes on the road for the shanks to go inside,without nails and using epoxy resin based adhesive as permanufacturers recommendation and complete as directed bythe engineer.The contractor shall submit a two year warrantyfor satisfactory field performance including stipulatedretroreflectance of the reflecting panel, to the Engineer.	Nos	252.00	401.50	101178
193	Provision of 15 nos rumble strips covered with premix bituminous carpet, 1520 mm high at center, 250 mm wide placed at 1 m center to center at approved locations to control speed, marked with white strips of road marking paint.	Sqm	30.00	206.80	6204

194	RetroReflectorised Traffic Signs Providing and fixing of retro reflectorised cautionary, mandatory and informatory sign as per IRC:67:2022 made of Class C Type XI retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 801.3, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x 3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with sqm5 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2022. (ii) 90 cm equilateral triangle	Nos	6.00	5222.80	31336.8
195	RetroReflectorised Traffic Signs Providing and fixing of retro reflectorised cautionary, mandatory and informatory sign as per IRC:67:2022 made of Class C Type XI retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 801.3, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x 3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with sqm5 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2022. (viii) 60 cm circular TYPE XI.	Nos	6.00	4783.90	28703.4

196	RetroReflectorised Traffic Signs Providing and fixing of retro reflectorised cautionary, mandatory and informatory sign as per IRC:67:2022 made of Class C Type XI retro reflective sheeting fixed over 2 mm thick aluminium sheeting vide clause 801.3, 3mm/4mm thick Aluminium composite material sheet depending on the size of the sign fixed over the back support frame of min 25 x 25 x 3mm angle mounted on a mild steel circular pipe 65 NB, 3.2 mm thickness firmly fixed to the ground by means of properly designed foundation with sqm5 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.The sign shall be maintained as per section 12 of IRC:67:2022. (xv) 90 cm high octagon.	Nos	6.00	7287.50	43725

197	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate sections and other sections of approved make conforming to IS: 733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/paneling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineerincharge. (Glazing, paneling and dash fasteners to be paid for separately) :For shutters of doors, windows and ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/neoprene gasket required (Fittings shall be paid for separately) Polyester powder coated aluminium (minimum thickness of polyester powder coating 50 micron) including cost of materials, labour, usage charges of machinery complete as per specifications.	kg / sqm	480.00	640.20	307296

198	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber/neoprene gasket etc. complete as per the architectural drawings and the directions of engineerincharge . (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 8 mm thickness (weight not less than 20 kg/ sqm) including cost of materials, labour, usage charges of machinery complete as per specifications.	Sqm	48.00	1435.50	68904
199	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade l Type ll, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass/stainless steel screws etc. complete as per architectural drawings and directions of engineer incharge: Prelaminated particle board with decorative lamination on both sides including cost of materials, labour, usage charges of machinery complete as per specifications and as per dir ections of the EngineerinCharge	sqm	48.00	1081.30	51902.4
200	Providing and fixing factory made Kitchen Cabinet Shutter/Partition 20 mm nominal thickness of approved shade, quality and make, made from rigid foam sheets (Single extruded) having density 600 kg/m3 and laminated on both side by laminate Sheet/PVC foil lamination. The exposed edges shall be sealed with PVC edge beading of same shade and colour. The shutter shall be fire retardent having necessary screw holding capacity. Shutter shall be fixed to frame using approved hinges with necessary stainless steel screws, all complete as per direction of Engineerincharge	sqm	16.00	4560.60	72969.6

201	Filling the gap in between aluminium frame and adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineerincharge complete: Upto 5mm depth and 5 mm width including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the EngineerinCharge	Rmtr	16.00	68.20	1091.2
202	Supply and erection of 14 Feet Height Street Light Pole 14 Feet Height Street Light Pole on suitable cement concrete foundation with 2.5 Feet height dia 95 mm cast iron decorative round pedestal as per design weighing not less than 37Kgs, the pedestal shall be fitted with Class C G.I.Pipe 7 Feet height 75 mm outer dia and 7 feet height top piece outer dia of 65 mm fixed by measure of threading/welding/coupling complete. (excluding foundation).	Each	14.00	20600.00	288400
203	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr at Lumen Maintenance of 70percent, maximum light intensity should be between 60 degrees to 70 degrees. CCT greater than 5500K, IP66 optical and electrical compartment and impact resistance of complete luminaire greater than IK08. Power Factor greater than0.9 with mains, Surge Protection Min 5KV along with Over voltage/ Overload, short circuit/ misswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage	Each	14.00	10060.00	140840

	driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 and LM 80 Adherence with RoHS. UL approved MCPC . Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiencygreater than1301m/w, nominal CRI greater than75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI and any Government certified agency and Design and Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved/Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer and Cree/Nichia/ Lumileds/Osram make LED Source.				
204	Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octagonal pole using necessary bolts, nuts etc. complete.Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octagonal pole using necessary bolts, nuts etc. complete. Single Arm Bracket with 1000 mm Standard 40/50 mm dia	Each	14.00	1700.00	23800
205	Supplying and Fixing of.....mm dia class A GI pipe bracket upto 2 ms long bent at suitable angle and fixing to this bracket street light fitting of all capacities to GI or GI or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires.Using 25mm	Each	14.00	978.00	13692

	dia G.I.Pipe Fixing charges Only				
206	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS1554 (Part 1) or IS7098 Part1, Armouring strip thickness and resistivity as per IS3975 16 Sqmm, 4 Core, (11 GI Strips 4 x 0.8 mm)	KM	0.55	141842.00	78013.1
207	1.1 kV, LT Aerial Bunched Cable, XLPE insulation confirming to IS14255: 1995 292 42.03 3x95 + 1x70 + 1x16 Sqmm Street light (Insulated Messenger cum Neutral)	KM	0.20	494091.00	98818.2
208	Sheet Metal/Deep Drawn Street Lighting Metering Box with Automatic Control Swith, Contactors with Single Phase 530 Amps meter and 50/5A CT	Unit	3.00	5984.00	17952
209	Earth work excavation for Foundation by mechanical means for all works and depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting and stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery and other appurtenaces required to complete the work In ordinary/soft rock without blasting upto 1.5 m depth	Cum	83.63	399.30	33393.459
210	40mm downsize	cum	66.34	1428.00	94733.52
211	20mm downsize	cum	4.82	1599.60	7710.072
212	06mm downsize	cum	4.82	1692.00	8155.44
213	RCC Perforated rings 1200 mmx1250 mm	Each	27.00	8400.00	226800

214	Providing and laying 100mm thick precast cover slabs over Road side drains/utility ducts/Rain water harvesting pit of width not exceeding 1000 mm using sqm0 concrete reinforced with TMT bars Fe 550 at 6kg/ sqm, slabs jointed in CM 1:3 proportion and nicely finished Including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials, scaffolding, usage of machinery, curing, lead and lift charges etc, Complete.	Cum	11.31	1287.00	14555.97
215	Earth work excavation by manual means for drains, canals, waste weir draft, approach channels, key trench, foundation of Buildings and Bridges and such similar works in all kinds of soils,as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting and stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools and other appurtenaces required to complete the work In all kinds of soils Depth upto 1.5 m	Cum	78.00	266.20	20763.6
216	Providing Size Stone masonry with hard stone in foundation and plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	130.10	7027.90	914329.79

217	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works and other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead and lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement and formwork to be paid separately) sqm0 Design Mix Using 20 mm nominal size graded crushed coarse aggregates	Cum	28.22	9389.66	264976.2052
218	FabricationSupplying, fitting and placing TMT FE 550/550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire/soft annealed steel wire and other ancilary operations complete as per drawing and technical specificationAll other type of structures	Tonne	2.41	86912.10	209458.161
219	Providing and fixing 1 mm thick M.S. sheet slidingshutters, with frame and diagonal braces of 40x40x6 mm angle iron, 3 mm M.S. gusset plates at the junctions and corners, 25 mm dia pulley, 40x40x6 mm angle and T iron guide at the top and bottom respectively, including applying a priming coat of approved steel primer including cost of materials, labour, usage charges of machinery complete as per specifications and as	Sqm	66.00	5743.10	379044.6

	per directions of the EngineerinCharge				
220	Providing and supplying cupboard shutter with 19mm thick one side Architect recommended decorative laminate (1mm thick) and other side balancing lamination(preferably white) on factory pressed bwp grade marine ply as per IS 710 of approved brand complete as per direction of engineer incharge.(Payment for providing and fixing auto closing hinges shall be paid separately	sqm	5.94	3256.00	19340.64
221	Labour and installation charges for BWP ply:BWR ply:HDHMR: MDF and Particle board work of any thickness applicable for all types of work	sqm	5.94	2200.00	13068
222	Executive Revolving Chair Without Head Rest	Nos	14.00	7501.00	105014
223	Visitors Chair with Cushion seat and back with M . S Round Pipe	Nos	15.00	4456.00	66840
224	Neelkamal Plastic moulded chair (superior Quality)	Nos	24.00	667.00	16008
225	Supplying of Good quality Executive High back Mesh optium chair of approved make with Head Rest with Height adjustable handle	Nos	6.00	33040.00	198240
226	Table and Full and Half Height storage units Providing and fixing storage unit and tables made up of (commercial) 19mm plywood for structure work back will be of 6mm ply wood with Necessary supports and drawers.drawers run by 20 hafele Telescopic channel and 19mm block board of Doors.Door hang by SS Hinges,SS Selected Handle .Exposed surface finished with (1mm thick laminate SF shade) inner surface finished with liner laminates cost including cost of materials,labour ,installation etc complete as per specification	sqm	21.91	32973.59	722451.3569
227	Outdoor 50 meter IP cameras 4.0 Mega Pixel with IR and Mounting Bracket (with IR for day and night vision and can provide a viewing distance of 50 meters)	Each	16.00	21160.00	338560

228	Bracket and weather proof installation kit for 50 meter IP Camera.	Each	16.00	1545.00	24720
229	32 Channel NVR DS 7732 NII4 (with 4 Sata option) the control box and recording device to connect upto 32 devices, can be cascaded to provide additional cameras.	Each	2.00	117218.00	234436
230	32 Channel NVR DS 9632 NI I8 (with 8 Sata option) the control box and recording device to connect upto 32 devices, can be cascaded to provide additional cameras.	Each	2.00	138455.00	276910
231	Supply of 4 TB Hard Disk for storage-Seagate/WDR or reputed Brands.	Each	2.00	22850.00	45700
232	A Suitable sheet metal control panel to house site Equipment (Weather proof). The Power supply and the Ethernet connectivity adaptor is stored in this Box.	Each	2.00	1489.00	2978
233	Supply, Installation,Testing and commisioning of Rack mounted 12 volts DC 4 amps, 8 channel CCTV camera power supply unit with over voltage short circiut and surge protection suitable to operate on 230 volt, 50hzs AC supply	Each	2.00	1261.64	2523.28
234	Supply, Installation,Testing and commisioning of Rack mounted Four Channel Power Over Ethernet (POE) Ethernet network unmanaged switch made out of Alluminium body confirming of IP66 weather proofing at 10 degree to +50 centigrade tempeature along with necessary fixing materials etc complete (CPPLUS make CPTNWHP4H16 OR Equivelent	Each	2.00	5610.73	11221.46
235	Supply, Installation,Testing and commisioning of Rack mounted Fiber optic media converter along with necessary fixing materials etc complete (DLink model 855S15i OR Equivelent)	Each	2.00	4561.00	9122
236	Supply of 9U Racks	Each	2.00	6800.00	13600

237	Supply and Laying of Network and Power Cables from Camera to the Control Box	Mtr	300.00	123.00	36900
238	Installation, Erection and Commissioning Charges of Cameras	Each	16.00	4050.00	64800
239	Supply, Installation,Testing and commisioning of Desktop computer Intel i5 processor, 8GB DDR4 RAM,Radeon 430, 2GB CPU 3.5 1TB HDD 21.5 LED monitor with Window 10 (64bit) operating system of repute make suitable to operate on 230 volts, 50HZs AC Supply	Each	2.00	89676.32	179352.64
240	Supply and fixing of SC to SC Fiber optic patch cord 3mtr Length	Each	40.00	350.85	14034
241	Supply and Drawing 6F Armoured Opticical Fiber Cable in Existing pipe,Duct using necessary clamps bolts etc complete	Mtr	250.00	69.07	17267.5
242	Supply and fixing of 24F optic fiber cable splice closure for overhead transmission using necessary clamps bolts etc complete	Rmtr	4.00	1133.23	4532.92
243	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS694:1990 and confirming to GTP of GROUP A.	Rmtr	240.00	92.00	22080
244	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A	No	16.00	171.00	2736
245	RJ45/ I.O. outlet. Cat6	Each	8.00	337.00	2696
246	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mounting using required clamps, bolts, nuts etc. with provision for fixing suitable type capacity MCBs single phase/3 phase/single door with powder coated painting. Made out of 14 SWG MS enclosure.II Double Door	No	16.00	2067.00	33072

247	Supplying and drawing UTPCAT 6E LAN cable.	Mtr	170.00	38.00	6460
248	Site Clearance Cuttting and Clearing thin jungle including removal of roots with a initial lead of 50m and life of 1.5m and General Cleaning Removal of dried leaves,solid waste and cleaning of the area	sqm	630.00	8.50	5355
249	:(Scraping and Removing of Top Soil) a. Cleaning the site by scraping and Removing Top layer of Soil.removing unwanted debries grass,along with excavated earth to a distance of 500m from the spot including lead lift loading and unloading charges (1X1X0.15m)	sqm	630.00	69.04	43495.2
250	14.Supplying of Red soil (New Earth Filling):Supplying of Good quality Red soil for Gardening and Growing of plants shrubs etc.including the percentweightage given to B.B.M.P.area	cum	283.50	438.75	124385.625
251	Shrubs in Groups: Developing the area of Shrubs by digging of pits of size 0.45m and Filling up to 50percent of the pits top excavated soil and Remaining 50percent withmixture of sand (0.0375cum),Fym(0.075cum),Red earth(0.021 cum)(i.e in the proportion of 1:2:3 and planting with well established plants(8 plants per sqm).exclusive of cost of plants and inclusive of ingredients	sqm	630.00	435.00	274050
252	Palnting of Shrubs (b) Cost of the plant(8 plants per sqm) (Including Transportation and Handling charges)	sqm	630.00	600.00	378000
253	Digging pits size 0.75m x 0.75m x 0.75 filling up to 50percent the pits with top excavated soil and remaining 50percent with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Ficus Benjimina Black (90cm 150cmm ht) Ficus traingularis Including cost of plant, materials, transporation and handling and planting Cost)	Each	75.00	2500.00	187500

254	Digging pits size 0.75m x 0.75m x 0.75 filling up to 50percent the pits with top excavated soil and remaining 50percent with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Plumeria Pudica (150cm 240cm ht) Including cost of plant, materials, transporation and handling and planting Cost)	Each	48.00	1000.00	48000
255	Digging pits size 0.75m x 0.75m x 0.75 filling up to 50percent the pits with top excavated soil and remaining 50percent with sand, Fym, Red earth (0,021 Cum) (i.e. in the proportion of 1:2:3) and planting of Topiary plants of conica shape 67feet height bottom shape 2 feet dia (Including cost of plant, materials, transporation and handling and planting Cost)	Each	21.00	19500.00	409500
256	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1and2 is allowed for drilling in over burden	Each	2.00	5816.80	11633.6

	and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M 15percent, b) Above 30 M 30percent (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/ is to be deducted for Dry Borewell towards yield test				
257	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG and above 1100 CMF and above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc. complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc. complete) for:Borewell depth of 0 to 50 m	m	100.00	407.00	40700
258	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG and above 1100 CMF and above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc. complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc. complete) for:Borewell depth of 50 to 100 m	m	100.00	510.40	51040

259	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG and above 1100 CMF and above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc. complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc. complete) for:Borewell depth of 100 to 150 m	m	100.00	542.30	54230
260	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG and above 1100 CMF and above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc. complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc. complete) for:Borewell depth of 150 to 200 m	m	100.00	629.20	62920
261	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG and above 1100 CMF and above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc. complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc. complete) for:Borewell depth of 200 to 250 m	m	100.00	738.10	73810

262	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG and above 1100 CMF and above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc. complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc. complete) for:Borewell depth of 250 to 300 m	m	100.00	814.00	81400
263	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG and above 1100 CMF and above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc. complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc. complete) for:Borewell depth of 300 to 350 m	m	100.00	954.80	95480
264	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG and above 1100 CMF and above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc. complete including yield testing at the final depth with a minimum working of compressor for one hour (Excluding cost of casing pipes, collars, cap etc. complete) for:Borewell depth of 350 to 400 m	m	100.00	1030.70	103070

265	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 42702001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 13871993 and manufactured by basic open hearth electric or basic oxygen process in random length of 57m both ends.threaded conforming to IS 5541985 one end fixed with socket conforming to IS 42702001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m.prices include CollarMedium duty	m	24.00	2126.30	51031.2
266	Providing and fixing MS casing collars as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (PartII) 1982 with all amendments	Each	100.00	165.00	16500
267	Providing and laying at site of work MS casing caps as per IS 1239 (part II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (PartII) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge	each	16.00	180.40	2886.4
268	Supply and delivery of Centrifugal pumpset at site brand new best make and with discharge duty confirming to ISI standards and its latest amendments.10 HP, size 80x65 Head 34.50M, Discharge 840 LPM	each	2.00	41385.30	82770.6

269	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (PartI) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover)50mm Dia	each	134.00	3355.00	449570
270	Supply and delivery at site Brand new best make PVC insulated cable of Flat 3 core (sheathed) of nominal cross sectional area as per IS 6941990 with ISI Mark and as per its latest amendments. 1x3x4 sqm	each	1608.00	148.50	238788
271	Supply and delivery at site of brand new best make nonreturn valve as per IS 778/1984 with ISI Mark and as per its latest amendmentsSize 50 mm	Each	2.00	1375.00	2750
272	Providing and fixing GI union in existing GI pipe line, cutting and threading the pipe and making long screws including excavation, refilling the earth or cutting of wall and making good the same complete wherever required etc. for:20.88.6: 50 mm nominal bore	Each	2.00	726.00	1452
273	Supply and delivery at site wrought middle steel (galvanized) GI elbow confirming to IS 1239II, 1991 with latest amendments if any for:For 50 mm dia GI elbow	each	2.00	293.70	587.4
274	Supply and delivery at site wrought middle steel (galvanized) GI hexagonal nipple confirming to IS 1239II, 1991 with latest amendments if any.For 50 mm dia GI hexagonal nipple	each	2.00	234.30	468.6
275	Providing wrought mild steel (galvanized) GI collar dia GI collar confirming to IS 1239II, 1991 with latest amendments if any. For 50 mm dia	each	134.00	293.70	39355.8

276	Supply, installing,testing and commissioning COMMON control panel consisting of the following INCOMING:1 No set of Phase indicating lamps with SFU of suitable rating 1 No, Analog Ammeter, 1 No Analog Voltmeter 1ni with Phase selector switch, Isolating switch OUTGOING for Main Electrical Pump: 1 No. MCB 1 No. DOL of S/D Starter suitable for respective HP 1 No. Electrcal Protection Like single Phase preventor, under voltage over Volage, under current over current and dry run protection suitable for the pump described above 1 no Indoor typ e NOTE: 1) DOLDirect Online Starter 2) SD Star Delta Starterfor outdoor6 to 15 HP pumps	each	2.00	19250.00	38500
277	Supply and laying insulated cable on messenger wire using 2 single core wire for a single phase and stringing PVC insulated and PVC sheathed 650/1100 V class aluminium conductor of sizes supported by 3.15mm GI messanger wire with two break insulators, one at each end of the span with suspenders at intervals 0.75m. Each suspender shall be procelain reel insulator of suitable core through which insulated wire passes and this reel insulator shall be fixed to the messenger wire usiing 2mm wire suitable bent and twisted. Separate reel insulator shall be provided for each wire, the messanger wire shall be dedended on the clamp provided to the departmentl pole. The work shall also include, supply and fixing short pole, guy set, MS eye bolt and pole support clamp etc. for SINGLE PHASE USING 2 WIRE 10 SQMM.	m	40.00	115.50	4620

278	Supply and delivery at site best indigenous brand new power capacitor as per IS 2834/1986 with latest amendments with KPTCL authorities and erection, electrification and commissioning of the same at the location of respective pump sets.	Kvar	2.00	605.00	1210
279	Earthing: Providing and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia	Job	2.00	4125.00	8250
280	Providing and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work.3½x10 Sqm	each	20.00	495.00	9900
281	Providing main connection from pole PVC insulated sheathed steel wire cable in GI pipe as per IS 1554/ 1988 with latest amendments with ISI mark from KPTCL pole to meter board unit.	m	14.00	93.50	1309

282	Bailing machine:15 Hp Hydraulic baling press with storage bunkers Supply and installation of double chamber double cylinder jumbo Hydraulic baling machine total Pressing capacity 90 Ton, Pressing chamber 1, 60 Ton(High density materials,)Pressing chamber 2, 30 ton (lowdensity materials). Standard pressing materials like Aluminum Can, Cardboard (OCC, Carton), Cellulose Fiber, Chopped Straw/Hay,Cotton Pulp, Disposable Tableware, Foam (Sponge), Hops, Mineral Cotton Fiber (Asbestos), Paper (ONP, OMG, Kraft Paper), Plant Fiber (Coconut/Coir Fiber, Palm Fiber, Abaca Fiber), ShreddedPaper, Soft Plastic (eg.Plastic Film, Plastic Bag), Synthetic Fiber (Polyester Fiber), Textile (Used Clothes, Wiper Rag, Quilt, Pillow,Towel, Shoe, Carpet), Unchopped Straw/Forage/Hay (Rice /Wheat Straw, Corn Silage, Alfalfa, Lucerne), Urban Waste, Coco Peat, Hollow Plastic (PET Bottle, HDPE Jar, PP Container) Materials MS, ISMC Angel sheet ext, Chamber Valiums 0.8 cubic meter, Bale size chamber 1and2. 800X600mmX H, Approximate ball Weight Chamber 1and2, 180 to 280 kgand 100 to 200 kg. (Depend up on material density).Cylinder speed Forward.120mm/SC Cylinder speed Reverse 160mm/SC, time15 To 20. Minutes. Per bale (Depend up on material density). Door chamber 1 and2, 3 Door. Same auto with rope type bale ejection. Main cylinder chamber 1 bore 200mm, Road 140mm, chamber 2 bore 130 and road 90mm,Type of operation Chamber 1 and2 Hand lever type, Redial piston pump for HP and vain pump for L p.2Gauge 0400 kg/csqm, As per IS3624, EN837, EN 13190 STANDARD AS APPLICABLE5''	nos	1.00	2385000.00	2385000

	Hydraulic oil level indicator, Pressure control valve, 350 Liters oil tank. Hydraulic oilISO VG 680 Bale 6 tying the block using Binding wire or plastic strap. MS sheet, angel, ISMC ISMB, Overall Height13 to 15. Ft. Power 15hp/10 Kw 3 phase, 415V, 50Hz, 3 phase Electric motor,MPCB, load backer switch, power controllers, power terminal				
283	EOT crane	nos	1.00	1125000.00	1125000
284	Electrical low tension panel and power distribution board Supply and installation of Capacity (KG) 1000 Lifting Height (MM)4000Lifting Type Hydraulic cylinder/power pack. Lowered Height of Fork (MM)90, Fork Outer Distance (MM)550,Fork Length (MM) 1150,Turning Radius (MM) 1600,Wheel (Drive/Load) Type PU or NBR,Size of Steering Wheel (MM)Ø220+*80,Size of Loading Wheel (MM) Ø180+*80, Electric power ,2HP Signal Phase, 240V AC Electric Motor. Electrical safety system shall confirm to is 302 EOI approved rate	nos	1.00	602131.00	602131
285	KSRB 126.3: Providing cast iron footrest and fixing in manhole with M 1 0 cement concrete block of 20x20x1 Ocms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications	Nos	14.00	300.00	4200
286	Supplying and fixing of600mm dia manhole frame to have clear opening of 600mm dia to suit 600mm dia Cover etc. complete	Nos	2.00	2500.00	5000

287	DG Set : 3 Ph, 50 Hz, 415 V, 0.8 pf, 250 kVA capacity Diesel Generator set mounted on box frame complete with inbuilt fuel tank and battery 2 nos. 24 V and inbuilt standard manual control panel with accoustic enclosure : NAL approved D.G. set 250 kVA capacity with AMF panel as per technical specification	No	1.00	2079627.00	2079627
288	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness. b In area of thorny jungle	100 sqm	0.60	1650.00	990
289	Providing and fixing precast reinforced cement concrete covering slabs of 15cm thick made out of sqm5 with OPC cement at 340kgs/cum, with 20 mm downsize graded metal coarse aggregates at 0.70cum and fine aggregates and 0.74 cum with superplasticizers, machine mixed, including providing and removing centering, shuttering, strutting, proping etc. for edges of slabs with TMT steel (Fe 500) cost and reinforcement charges, including pointing wauth CM 1:3, finishing as required with cost of all materials, labour, all lead and lift, HOM of machinery, curing including cost of reinforcement etc. complete as directed by the Engineer in Charge of the work	Sqm	36.00	2550.00	91800
290	Supply and Installation of Antivirus for desktop PCs on premise software with 5 years support	Nos	7.00	9800.00	68600
291	Installation of Networking	Set	2.00	50000.00	100000

292	Supply and Installation of Core i712700/8GB RAM/1TB HDD 7200RPM/W11 Pro/KYB/Mouse, 21.5 inch FHD monitor	Nos	7.00	92500.00	647500
293	Supply and Installation of LED 55 display	Nos	8.00	80000.00	640000
294	Supply and Installation of Projector with ceiling mount bracket	Nos	2.00	106400.00	212800
295	Supply and Installation of Motorised Screen W296 X H150 X D250mm	Nos	2.00	25400.00	50800
296	Supply and Installation of 6 TB Surveillance Hard Driv Seagate	Nos	2.00	18200.00	36400
297	development of command centre software	Nos	1.00	2102800.00	2102800
298	Schneider Electric make EMSE 3 party 1.5k Tag RT Licence	Nos	2.00	500000.00	1000000
299	MECHANIZED LUBRICATION SYSTEM(Air Compressor, Grease Storage tank, Grease Gun, Grease Hose) LS.	LS	1.00	500000.00	500000
300	Providing and laying in position Cement Concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works and other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead and lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications.Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates	Cum	10.33	7044.40	72768.652

301	Providing and fixing M.S. angle 50x50x5 mm to act as nosing with lugs of M.S. flat 10x5 mm, 10 cm long, forked at end 60cm apart (minimum three lugs to be provided), including necessary welding and applying a priming coat of approved primer on exposed surface etc. complete.	Kg	2860.25	154.00	440478.5
302	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineerin charge. (Made of G.I. wire of dia. 4 mm, PVC coated to achieve outer dia not less than 5 mm in required colour and shade)	Sqm	306.00	925.10	283080.6
303	Painting on Steel Surfaces Providing and applying two coats of ready mix paint of approved brand on steel surface after thorough cleaning of surface to give an even shade	Sqm	306.00	105.60	32313.6
304	Providing ThermoMechanically Treated bars of grade Fe500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per pecifications. (The laps and wastages shall not be measured separately).SecondFloor	Tonne	0.12	100370.75	12044.49
305	Painting on Wood SurfacesProviding and applying two coats of ready mix paint of approved brand on wood surface after thorough cleaning of surface to give an even shadeGround Floor	Sqm	18.02	116.66	2102.2132
306	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm	Sqm	2.40	3137.20	7529.28

	thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing,curing and polishing etc. all complete as specified and as directed by the EngineerinCharge.Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.Ground floor				
307	RJ45/ I.O. outlet.	No	8.00	195.00	1560
308	developmet of command centre software	Nos	1.00	1173100.00	1173100
309	Schneider Electric make EMSE 3 party 1.0k Tag RT Licence	Nos	2.00	400000.00	800000

ANNEXURE - 8:

FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To.....*[Name of Employer]*
.....*[address of Employer]*

WHEREAS ..... *[Name and address of Contractor]* (Hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. ..... dated.....to execute .....*[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. ..... *[Amount of guarantee]*

[13]_Rupees.....*[in words]*, and we undertake topay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of ..... *[amount of guarantee]*[14] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____